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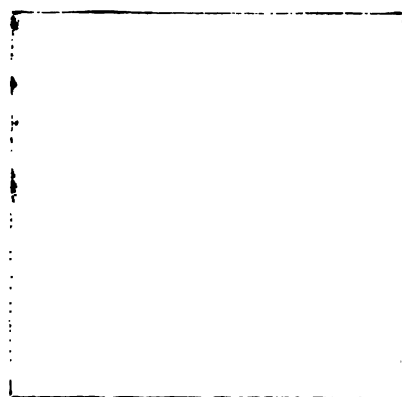


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UNITED STATES GEOLOGICAL SURVEY

CHARLES D. WALCOTT, DIRECTOR

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CATALOGUE AND INDEX

OF CONTRIBUTIONS TO  
NORTH AMERICAN GEOLOGY

1732-1891

BY

NELSON HORATIO DARTON



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1896

27



# CATALOGUE AND INDEX OF CONTRIBUTIONS TO NORTH AMERICAN GEOLOGY.

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BY N. H. DARTON.

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## INTRODUCTION.

The scope of this work includes geologic literature published in North America, and such literature on North America (excepting Greenland and Central America) wherever published. Chronologically it includes publications from 1732 to those received prior to the close of 1891.

On pages 11-14 is given a list of serials examined. It covers the principal publications in which geologic contributions have appeared, excepting some odd volumes which were not accessible to me. In official literature there have been examined all the reports in Prime's catalogue,<sup>1</sup> with some additional and all later ones. Many privately published separate works are included, a few of which are known only from notices in reviews or book lists. Paleontologic papers which are purely biologic are not included, nor are papers on mineralogy in which rocks are not described or discussed.

The entries are comprised in two classes, which are arranged in single alphabetic sequence. They are as follows:

1. *Principal entries*.—These consist of full titles of separate contributions, classified by authors, with chronologic subarrangement, together with as much of the usual bibliographic information as appears necessary in a work of this kind. All composite works are segregated into the separate contributions of individual authors as far as practicable. The date is that of the volume imprint of the earliest regular publication of the contribution whenever possible. Accordingly, contributions published in proceedings of societies are given the imprint date of the volume in which they are contained. The size of the volume is given only when it is other than octavo. The extent of papers less than a page in length is indicated thus: ( $\frac{1}{2}$  p.), ( $\frac{1}{4}$  col.), (3 lines). Place of publication is given for official and separate publications and some obscure journals. Information which I have supplied is placed within brackets.

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<sup>1</sup>Catalogue of official reports on geological surveys of the United States and Territories and British North America. Am. Inst. Mining Engineers, Trans., vol. 7, pp. 455-522; vol. 8, pp. 466-478; vol. 9, pp. 621-633.



2. *Subject index references.*—These are geographic, stratigraphic, and miscellaneous geologic headings, under which are listed condensed titles of the papers, and the author's name for cross reference to the principal entry. The subarrangement is chronologic. A key to these references is given on pages 7–10. A few general text-books of geology and very general papers have not been indexed.

I am indebted to the catalogue by Prime, the lists of maps by Jules Marcou and J. B. Marcou,<sup>1</sup> lists of papers on the Lake Superior copper region by J. D. Whitney,<sup>2</sup> a bibliography of Texas, Arkansas, Louisiana, etc., by J. B. Marcou (in manuscript), and to many gentlemen for information or advice. I am also indebted for special courtesies to the librarians of the Academy of Natural Sciences at Philadelphia, the New York Academy of Sciences, the Boston Society of Natural History, the Astor Library of New York, and the Boston Public Library.

Additional references or information for a supplement to this catalogue will be gratefully received by the author, care of the United States Geological Survey, Washington, D. C., U. S. A.

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<sup>1</sup> Bull. U. S. Geol. Survey No. 7, 1884.

<sup>2</sup> Bull. Mus. Comp. Zool. Harvard College, vol. 7, 1884.

## CLASSIFIED KEY TO THE SUBJECT ENTRIES.

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### I. GEOGRAPHIC SUBJECTS.

Africa.  
Alabama.  
Alaska.  
Arizona.  
Arkansas.  
Asia.  
Australasia.  
Bermuda.  
California.  
Canada, with subheadings as follows:  
    Provinces of Quebec and Ontario, and Canada in general.  
    New Brunswick.  
    Nova Scotia, Prince Edward Island, and Cape Breton Island.  
    Newfoundland.  
    Labrador.  
    Manitoba to Rocky Mountain region.  
    British Columbia.  
    Northern British America (and Greenland).  
Central America.  
Colorado.  
Connecticut.  
Dakotas.  
Delaware.  
East Indies.  
Europe.  
Florida.  
Georgia.  
Hawaiian and other Pacific islands.  
Idaho.  
Illinois.  
Indiana.  
Indian Territory (and Oklahoma).  
Iowa.  
Kansas.  
Kentucky.

Louisiana.  
 Maine.  
 Maryland (including District of Columbia).  
 Massachusetts.  
 Mexico.  
 Michigan.  
 Minnesota.  
 Mississippi.  
 Missouri.  
 Montana.  
 Nebraska.  
 Nevada.  
 New Hampshire.  
 New Jersey.  
 New Mexico.  
 New York.  
 North Carolina.  
 Ohio.  
 Oregon.  
 Pennsylvania.  
 Rhode Island.  
 South America.  
 South Carolina.  
 Tennessee.  
 Texas.  
 Utah.  
 Vermont.  
 Virginias.  
 Washington.  
 West Indies.  
 Wisconsin.  
 Wyoming.

## II. STRATIGRAPHIC SUBJECTS.

**Archean and Algonkian** (including all unclassified crystalline rocks),  
 with subheadings as follows:

New England.  
 New York, Pennsylvania, New Jersey.  
 Maryland to Alabama.  
 Great Lakes region (Michigan, Wisconsin, Minnesota, and Canada  
 contiguous to lakes Superior and Huron).  
 West of the Mississippi River (excepting Minnesota).  
 Eastern (and northern) Canada.  
 Western Canada (Lake of the Woods region to the Pacific).  
 General.

**Cambrian**, with subheadings as follows:

New England.

New York, Pennsylvania, New Jersey.  
Southern Appalachians (Maryland to Alabama).  
Lakes Superior, Michigan, and Huron region.  
Dakota, Iowa, Nebraska.  
Missouri.  
Texas.

Rocky Mountains to Pacific coast.  
Canada (excepting adjoining Lake Superior).

**Carboniferous, with subheadings as follows:**

New England.  
New York, Pennsylvania, Maryland, Virginia.  
Ohio.  
Kentucky, Tennessee, Alabama, Georgia.  
Michigan.  
Illinois, Indiana.  
Iowa, Nebraska, Kansas, Missouri, Arkansas, Indian Territory,  
Texas.  
Rocky Mountains to the Pacific coast.  
Canada (including all of British America).  
General.

**Cretaceous, with subheadings as follows:**

Atlantic coast region.  
Gulf region (Alabama to Louisiana to Kentucky).  
Dakota and Minnesota to Texas.  
Rocky Mountains to Great Basin region.  
Pacific States.  
Canada.  
General.

**Devonian, with subheadings as follows:**

New England.  
Appalachian (New York to Alabama).  
West of Appalachians to the Mississippi and Minnesota.  
West of the Mississippi, excepting Minnesota.  
Canada (including all of British America).  
General.

**Juratrias, with subheadings as follows:**

Massachusetts to North Carolina.  
Eastern Canada.  
Dakota to Texas.  
Rocky Mountain region.  
California to Washington.  
Western Canada and Alaska.  
General.

**Pleistocene, with subheadings as follows:**

New England.  
New York.  
Pennsylvania.

New Jersey.

Maryland, Delaware, Virginia.

North Carolina, South Carolina, and Georgia region.

Gulf region, Florida to Texas and Arkansas.

Ohio, Indiana, Illinois, Kentucky, Tennessee.

Minnesota, Michigan, Wisconsin.

Iowa, Missouri, Nebraska, Kansas region.

Rocky Mountains to Great Basin.

Pacific States.

Eastern Canada.

Western British America.

Alaska.

General.

**Silurian, with subheadings as follows:**

New England.

Appalachian (New York to Alabama).

West of the Appalachians to the Mississippi River and Minnesota.

West of the Mississippi River, excepting Minnesota.

Canada (including all of British Columbia).

General.

**Tertiary, with subheadings as follows:**

Atlantic coast region (Massachusetts to Georgia).

Gulf region (Florida to Texas and Kentucky).

Dakotas, Nebraska, Kansas.

Rocky Mountains to Great Basin.

Pacific States.

Canada.

Arctic and Alaska.

West Indies.

General.

### III. OTHER SUBJECTS.

**Geologic philosophy, with subheadings as follows:**

Chemic geology (excepting metamorphism and rock decay).

Origin of coal, petroleum, etc.

Dynamic geology.

Petrology.

Glaciology.

Geological climate.

Volcanism.

Rock decay.

Degradation.

Sedimentation.

Geomorphy.

Coral reefs.

Miscellaneous.

**Petrography.**

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Albany Institute, Proceedings, vols. 1, 2, and parts 1-2 of vol. 3. Albany, N. Y.  
—— Transactions, vols. 1-10. Albany, N. Y.  
American Academy of Arts and Sciences, Proceedings, vols. 1-26. Boston, Mass.  
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American Anthropologist, vols. 1-2. Washington, D. C.  
American Association for the Advancement of Science, Proceedings, vols. 1-39. Salem, Mass.  
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American Chemical Journal, vols. 1-5. New York.  
American Geographical Society, Bulletin, vols. 19-21. New York.  
American Geologist, vols. 1-8. Minneapolis, Minn.  
American Journal of Conchology, vols. 1-7. Philadelphia.  
American Institute of Mining Engineers, Transactions, vols. 1-19. Easton, Pa., and New York, N. Y.  
American Journal of Science, 1st series, 2d series, and vols. 1-42, 3d series. New Haven, Conn.  
American Mineralogical Journal (Bruce), 1 vol.  
American Mining Gazette and Geological Magazine, 1 vol. New York.  
American Museum of Natural History, Bulletin, vol. 1 to vol. 3, p. 194. New York.  
American Naturalist, vols. 1-25. Philadelphia.  
American Philosophical Society, Proceedings, vols. 1-29 (to No. 135). Philadelphia.  
—— Transactions, 1st series, vols. 1-16 (part 3).  
American Quarterly Journal of Agriculture and Science, vols. 1-7. New York.  
Annals of Science, vol. 1; vol. 2, Nos. 1-4. Cleveland, Ohio.  
Appalachia, vols. 1-6. Boston.  
Boston Journal of Natural History, vols. 1-7. Boston.  
Boston Society of Natural History, Proceedings, vols. 1-25 (to part 2). Boston.  
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British Association for the Advancement of Science, Reports, vols. 1-60. London.  
Brookville Society of Natural History, Proceedings, Nos. 1-2. Brookville, Ind.  
Buffalo Society of Natural History, Bulletin, vols. 1-5 (to No. 3). Buffalo, N. Y.  
California Academy of Sciences, Transactions, vols. 1-7. San Francisco.  
—— Memoirs, vols. 1-2.  
—— Bulletins, vols. 1-5.  
—— Bulletins, vols. 1-2.  
—— Proceedings, vols. 1-2.  
Canada, Royal Society, Transactions, vols. 1-8. Montreal.  
Canadian Institute and Canadian Journal, 1st series, vols. 1-3; new series, vols. 1-15. Toronto.  
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- Abbot, Henry L.** The physics of the Mississippi River.  
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Emery's notes of a military reconnoissance, pp. 386-414, Washington, 1848.
- Report on examination of New Mexico in the years 1846-47.  
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- Abert, S. J.** Report [on a survey and reconnoissance] of the Arkansas River.  
Letter Sec. War, 41st Cong., 2d sess., H. R. Ex. Doc. No. 295, pp. 3-33 [Washington, 1870].
- Abert, S. T.** Examination of Catawba River from South Carolina line to Old Fort, North Carolina.  
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Includes notes by S. R. Hall, pp. 174-214; letter by E. Hitchcock, pp. 247-252; report by Z. Thompson, pp. 269-261.

- Adams, C. B.** Notice of an example of apparent drift furrows dependent on structure.  
*Am. Jour. Sci.*, 2d series, vol. 3, pp. 433-434, 1847.
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**Archean and Algonkian—Continued.****NEW ENGLAND—Continued.**

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**Archean and Algonkian—Continued.****NEW ENGLAND—Continued.**

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**Archean and Algonkian—Continued.****NEW ENGLAND—Continued.**

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**Archean and Algonkian—Continued.****NEW ENGLAND—Continued.**

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- NEW YORK, NEW JERSEY, AND PENNSYLVANIA.**
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**Archean and Algonkian—Continued.****NEW YORK, NEW JERSEY, AND PENNSYLVANIA—Continued.**

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**Archean and Algonkian—Continued.****NEW YORK, NEW JERSEY, AND PENNSYLVANIA—Continued.**

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**Archean and Algonkian—Continued.****NEW YORK, NEW JERSEY, AND PENNSYLVANIA—Continued.**

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**Archean and Algonkian—Continued.****NEW YORK, NEW JERSEY, AND PENNSYLVANIA—Continued.**

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**Archean and Algonkian—Continued.****NEW YORK, NEW JERSEY, AND PENNSYLVANIA—Continued.**

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**Archean and Algonkian—Continued.****NEW YORK, NEW JERSEY, AND PENNSYLVANIA—Continued.**

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**Archean and Algonkian—Continued.****MARYLAND TO ALABAMA—Continued.**

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**Archean and Algonkian—Continued.****MARYLAND TO ALABAMA—Continued.**

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**Archean and Algonkian—Continued.****MARYLAND TO ALABAMA—Continued.**

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**Archean and Algonkian—Continued.****MARYLAND TO ALABAMA—Continued.**

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**Archean and Algonkian—Continued.****MARYLAND TO ALABAMA—Continued.**

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**Archean and Algonkian—Continued.**

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**GREAT LAKE REGION—Continued.**

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Bull. 127—4

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Sweet.  
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**Archean and Algonkian—Continued.****GREAT LAKE REGION—Continued.**

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**Archean and Algonkian—Continued.****GREAT LAKE REGION—Continued.**

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**Archean and Algonkian—Continued.****GREAT LAKE REGION—Continued.**

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**Archean and Algonkian—Continued.****GREAT LAKE REGION—Continued.**

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**Archean and Algonkian—Continued.****GREAT LAKE REGION—Continued.**

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**Archean and Algonkian—Continued.****GREAT LAKE REGION—Continued.**

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**Archean and Algonkian—Continued.****WEST OF THE MISSISSIPPI RIVER (excepting Minnesota)—Continued.**

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Map of the United States,  
Hitchcock, C. H.  
Condition of knowledge of  
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Boulder County, Colo., Van  
Diest.  
Eagle County, Colo., Olcott.  
Leadville region, Colorado, Ihl-  
seng, Blow.  
Phoenix mine, Arizona, Rick-  
etts, P. de P.  
Texture of massive rocks,  
Becker, G. F.
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Haworth.  
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G. F.  
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Report of geologist of Wy-  
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C. A.  
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Aspen, Colo., Brunton, Em-  
mons, S. F.; Silver.  
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Colorado ore deposits, Lakes.  
Iron resources of Colorado,  
Chauvenet.  
Ouray County, Colo., Kedzie.  
West central Arkansas, Com-  
stock.  
Transcontinental railroads,  
Lang.  
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Smith, W. B.  
Report of mineralogist of Cal-  
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Peale.  
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Streeruwitz.  
South central Texas, Jermy.  
Country about Denver, Colo.,  
Eldridge.  
Pike County, Ark., Branner.  
Copper Basin, Arizona, Blake.

Bull. 127—5

**Archean and Algonkian—Continued.****WEST OF THE MISSISSIPPI RIVER (excepting Minnesota)—Continued.**

1889. Reymert lode, Arizona, Blau-  
velt.  
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berry.  
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Hills, Van Hise.  
Areas of continental progress  
in North America, Dana.  
Yellowstone Park, Iddings.  
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Haworth.  
Building stones in Missouri,  
Ladd.  
Iron ores of the United States,  
Hunt, T. S.  
Indian Territory and Red  
River, Hill.  
Movements in Rocky Moun-  
tains, Emmons.  
Central mineral region of  
Texas, Comstock.  
Trans-Pecos, Tex., Streeruwitz.  
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Dumble.  
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Canyon, Walcott.  
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Features of the Rocky Moun-  
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Notes on geology of the South-  
west, Hill, R. T.  
Central basin of Texas, Curtice.  
Alunite and diaspore from Col-  
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Vein phenomena, Boulder  
County, Colo., Farish.

**Archean and Algonkian—Continued.****WEST OF THE MISSISSIPPI RIVER (excepting Minnesota—Continued.**

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 Reconnaissance in the Indian Territory, Hill, R. T.  
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**EASTERN AND NORTHERN CANADA.**

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**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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Region between Georgian Bay and Ottawa River, Murray.  
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Parts of Huron and western districts, Murray.  
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Minerals of Canada, Hind.  
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**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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Country between lakes St. John and Mistassini, McOuat.

Southern New Brunswick, Bailey and Matthew.

Country north of Lake St. John, Richardson, J.

Trinity Bay region, Newfoundland, Murray, A.

Northwestern New Brunswick, Robb.

Phosphate of lime and mica in Burgess, Broome, G.

Gold fields of Quebec and Nova Scotia, Selwyn.

Report on gold-mining districts, Hind.

Bay and river exploits, Newfoundland, Murray, A.

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**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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Geologic map of United States, Hitchcock, C. H.; Hitchcock and Blake.

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## Archean and Algonkian—Continued.

## EASTERN AND NORTHERN CANADA—Continued.

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 Gold deposits from Nova Scotia, Hind.  
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 Survey of Bay East River, Newfoundland, Murray, A.  
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**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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Metalliferous deposit of Gloucester, New Brunswick, Henwood.
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Counties of Leeds, Frontenac, and Lanark, Vennor.  
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Country between lakes St. John and Mistassini, McOuat.  
Southern New Brunswick, Bailey and Matthew.  
Country north of Lake St. John, Richardson, J.  
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Northwestern New Brunswick, Robb.  
Phosphate of lime and mica in Burgess, Broome, G.  
Gold fields of Quebec and Nova Scotia, Selwyn.  
Report on gold-mining districts, Hind.  
Bay and river exploits, Newfoundland, Murray, A.  
Notes on granitic rocks, Hunt, T. S.  
Remarks on late criticisms of Dana, Hunt, T. S.  
Rocks of Rocky River survey, Newfoundland, Murray, A.  
Frontenac, Leeds, and Lanark counties, Ontario, Vennor.
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Auriferous country in Mar-mora, Ontario, Chapman.  
Analysis of serpentine, Harrington, B. J.  
Examination of Lake Huron region, Murray, A.  
Country between lakes Temiscaming and Abbitibbe, McOuat.

**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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Geologic map of United States, Hitchcock, C. H.; Hitchcock and Blake.  
Counties of Frontenac, Leeds, and Lanark, Vennor.  
Metamorphism of rocks, Hunt, T. S.
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Metamorphism in Nova Scotia and Cape Breton, Honeyman.  
Nova Scotian geology, Honeyman.  
Notes on Nova Scotia and Cape Breton, Honeyman.  
Minerals of apatite veins of Ottawa County, etc., Harrington.  
Geology of southern New Brunswick, Hunt, T. S.  
Frontenac, Leeds, and Lanark counties, Vennor.  
Iron ores of Canada, Harrington, B. J.
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Gander River, Newfoundland, Murray, A.  
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Phosphates of Laurentian and Cambrian of Canada, Dawson, J. W.  
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Eozoon canadense at Cote St. Pierre, Dawson, J. W.  
Explorations in Nova Scotia, Robb.  
Useful minerals of New Brunswick, Bailey.

**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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 Explorations on Gambo and Gander rivers, Newfoundland, Howley.  
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**Archean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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## Archean and Algonkian—Continued.

## EASTERN AND NORTHERN CANADA—Continued.

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Address, remarks on Quebec group, Dawson, J. W.  
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Progress of investigations in New Brunswick, Bailey, L. W.  
Report on counties of Nova Scotia, Fletcher, H.  
Report on Hudson Bay, Bell, R.
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Geology of Avalon, Newfoundland, Howley.  
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Section from Laurentian axis to Rocky Mountains, Dawson, G. M.  
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## Archean and Algonkian—Continued.

## EASTERN AND NORTHERN CANADA—Continued.

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Eozoon canadense, Dawson, J. W.  
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Apatite of Canada, Hunt, T. S.  
Report on north shore of Labrador, Bell.
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Contacts and ancient erosions in New Brunswick, Bailey.

**Arohean and Algonkian—Continued.****EASTERN AND NORTHERN CANADA—Continued.**

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 Origin of crystalline rocks, Hunt, T. S.  
 Note sur dépôts aurifères de la Beauce, Laflamme.  
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 Division du système éozoïque, Hunt, T. S.  
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 Observations in the Saguenay region, Laflamme.
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 Louisburg, Nova Scotia, Honeyman.  
 Apatite of Canada, Bell.  
 Canadian fluor-apatite, Falding.  
 Nova Scotia gold mines, Gilpin.  
 Mineral physiology and physiography, Hunt, T. S.  
 Gneissic foliation and origin of Arohean rocks, Lawson.  
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I. C.  
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Newberry.  
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to Washington, Hague and  
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Diller.  
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worth.  
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work in California, Becker.  
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Becker.  
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stones, Merrill, G. P.  
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Basin, Gilbert.  
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of the Great Basin, Call.  
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done in Washington laboratory,  
Clark and Chatard.  
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I. C.  
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States, Russell, I. C.  
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White, C. A.  
Jurassic of North America, White,  
C. A.  
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Nomenclature of Cenozoic, Le  
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Hanksite, Hanks.  
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Origin of normal faults, Le Conte.  
Across Santa Barbara Channel, Fewkes.  
Silicified wood, Friedrich.
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Geology of Lassen Peak district, Diller.  
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ley, Russell.  
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Bull. 127—9

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Bull. 127—10

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**TEXAS.**

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and Canada in general—Cont'd.

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Bull. 127—11

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(and Canada in general)—Cont'd.**

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(and Canada in general)—Cont'd.**

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(and Canada in general)—Cont'd.

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(and Canada in general)—Cont'd.**

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cier originated, Dana, J. D.

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Hall, J.

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Richardson, J.

Murchison on age of Quebec  
rocks, Logan.

Country between lakes St. John  
and Mistassini, McOuat.

Report on gold-mining districts,  
Hind.

Gold fields of Quebec and  
Nova Scotia, Selwyn.

Past and future of Niagara,  
Gunning.

Remarks on late criticisms on  
Dana, Hunt, T. S.

Region north of Lake Superior,  
Bell, R.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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rian, Hunt, T. S.

Notes on granitic rocks, Hunt,  
T. S.

Country between Lake Superior  
and Albany River, Bell, R.  
Frontenac, Leeds, and Lanark  
counties, Ontario, Vennor.

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Ontario, Chapman.

Country between lakes Temis-  
camingue and Abbitibbi,  
McOuat.

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rio, Gibson.

Metamorphism of rocks, Hunt,  
T. S.

Mesozoic fossils from British  
Columbia, Billings.

Observations on Niagara, Tyn-  
dall.

Counties of Frontenac, Leeds,  
and Lanark, Vennor.

Examination of Lake Huron  
region, Murray, A.

Thunder Bay and Shaben-  
dowan districts, Lake Supe-  
rior, Nicholson.

Mineral region of Lake Supe-  
rior, Bell.

Analyses of serpentine, Har-  
rington, B. J.

Map of United States, Hitch-  
cock, C. H.; Hitchcock, C. H.,  
and Blake.

Dawson on Post-Pliocene geol-  
ogy of Canada, Dana, J. D.

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survey, 1872-73, Selwyn.

Impressions and footprints on  
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J. W.

Geology of lower Carbonifer-  
ous, Dawson, J. W.

Post-Tertiary history of New  
England, Perry.

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counties, Vennor.

Glauconite and fossil resins,  
Hunt, T. S.

Montague gold mines, Honey-  
man.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

1874. Champlain deposits north of Lake Superior, Dawson, G. M.  
Structure and origin of the Great Lakes, Newberry.  
North shore of Lake Superior, Hunt, T. S.  
Niagara and lower Helderberg in United States and Canada, Hall, J.  
On stratification of rocks, Hunt, T. S.  
Zones of elevation in the earth's crust, Ross.  
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Mining on north shore of Lake Superior, McKellar.
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Guelph limestones, Nicholson.  
Disintegration of rocks, Hunt, T. S.  
Huron County, Ontario, Gibson, J.  
Native copper mines of Lake Superior, Douglas, J.  
Relations of primordial and crystallines, Hunt, T. S.  
Mining district on north shore of Lake Superior, Nicholson.  
Huronian and mineral rocks of Lake Superior, Bell.  
Outline of geology of Ontario, Chapman.  
Galena deposits in Laurentian of Ontario, Vennor.  
Valley of Minnesota River, Warren, G. K.  
Geologic chart of the United States, Bradley, F. H.  
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Geology and geography of petroleum, Wrigley.  
Distribution of plants, and marine origin of Erie clays, Drummond.  
Neighborhood of Hamilton, Spencer, J. W.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Physical geology of Lake Superior, Whittlesey.  
Sir William Logan, Harrington, B. J.  
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Outline of geology of Canada, Chapman, E. J.  
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Geologic chart of the United States, Bradley, F. H.  
Eozoon canadense at Côte St. Pierre, Dawson, J. W.  
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Notes on Canadian minerals and rocks, Harrington, B. J.
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Relation of geology of New Hampshire to adjacent territory, Hitchcock, C. H.  
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Archean of Canada, Vennor.  
Chemical contributions, Hoffmann.  
North shore of Lake Superior, Curtis.

## Canada—Continued.

PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.

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Geology of New Hampshire, Hitchcock, C. H.; Huntington.  
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Term Hudson River in nomenclature, Hall, J.  
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Dikes and Azoic of southeast Pennsylvania, Hunt, T. S.  
Carboniferous bowlders near Toronto, Hinde.  
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Geology of route of Intercolonial Railway, Bell, R.  
Superficial deposits of Ontario, Wilkins.  
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Goderich salt region, Hunt, T. S.  
A few dikes in the Laurentian, microscopic study, Harrington, B. J.  
Bellevue mining operations, Burwash.  
Eozoic rocks in Hastings and Prince Edward counties, Ontario, Wilkins.  
Nipigon or copper rocks of Lake Superior, Spencer, J. W.  
Pre-Glacial geography of Great Lakes region, Claypole.  
Notes on miscellaneous rocks, Harrington, B. J.  
Petroleum and other hydrocarbons, Broadhead.  
The geologic map of New Hampshire, Hitchcock, C. H.

## Canada—Continued.

PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.

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Causes of Glacial phenomena, Torrell.  
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Macfarlane's Geological Railroad Guide, Hunt, T. S.  
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Report of geological survey of Canada for 1877-78 by Selwyn, Dana, J. D.  
East coast of Hudson Bay, Bell.  
Salt mine, Goderich, Heinrich.  
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Origin of stylolites, Nelson.
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Pré-Cambrien dans l'Amérique du Nord, Hunt, T. S.  
Lecture notes on Canada, Dawson, J. W.  
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Silver Islet, Mac Farlane, T.  
North Staffordshire district, Merritt, W. H.  
History of some Pre-Cambrian rocks, Hunt, T. S.  
Geologic action of humus acids, Julien.
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Helderberg rocks of St. Helena Island, Donald.  
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Colonies dans les roches des bords du lac Champlain, Marcou, J.

## Canada—Continued.

PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.

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Archean of Cobequid Mountain, Honeyman.  
Phosphates in Canada, Vennor.  
Silver Islet mine, Lowe.  
Notes on Point Pleasant, Cameron.  
Geologic waifs from Magdalen Islands, Honeyman.
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Copper rocks of Lake Superior, Irving, R. D.; Selwyn.  
The name Laurentian, Wadsworth.  
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Successive Paleozoic flora of Canada, Dawson, J. W.  
Magnetic ores in Victoria County, Ontario, Merritt.  
History of Taconic question and relation of Taconic series, Hunt, T. S.  
Chemical contributions to geology of Canada, Hoffman.  
Erosion from ice in Baie des Chaleurs, Chalmers.  
Whale in gravel near Smiths Falls, Ontario, Dawson, J. W.  
Quebec group in geology, Dawson, J. W.

## Canada—Continued.

PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.

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History of serpentine and notes on pre-Cambrian rocks, Hunt, T. S.  
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Analyses of soils, Edwards, J. B.  
Geology of Lake Superior, Hunt, T. S.  
Graptolites from the Quebec group, Dawson, J. W.  
Life of William E. Logan, Dana, J. D.  
Notes on southeast Quebec, Selwyn.  
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Progress of geology, 1882, Hunt, T. S.  
Geology of western end of Lake Ontario, Spencer, J. W.  
Notes on some mines in Quebec, Willimott.  
Pre-Cambrian rocks, Hunt, T. S.  
St. Ignace Island, Lake Superior, Robb.  
Surface geology of Baie de Chaleur region, Chalmers.  
Microstructure of rocks of Quebec group, Adams, T. D.  
Remarks on moraines and terraces, Dawson, J. W.  
Géologie du lac Saint-Jean, Laflamme.  
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Utica and related horizons, Walcott.  
Copper rocks of Lake Superior, Irving, R. D.  
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**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Climate changes of later geologic times, Whitney, J. D.  
Canadian notes, Paleozoic outliers, Willcox.  
List of fossils from Ottawa and vicinity, Ami.  
Silicates about olivine in anorthosites from River Saguenay, Adams, F. D.  
Canadian iron ores, Dewey.  
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Crystalline rocks of the Northwest, Winchell, N. H.  
Ice of the Glacial period, Lewis, H. C.  
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Descriptive sketch of eastern Canada, Selwyn.  
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Notes on building stones used in New York, Newberry.  
Eozoic rocks of North America, Hunt, T. S.  
Sand plains and changes of level of the upper Ottawa, Odum.  
Copper and iron districts of Lake Superior, Wadsworth.  
Eozoon canadense, Dawson, J. W.  
Geologic occurrence of bitumen, Peckham.
1885. Apatitbringer in Canada, Adams, F. D.  
Apatite of Quebec, Brown, C. C.  
Notes on north shore of Lake Superior, Selwyn.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Zones of silicates in anorthosite rocks on the Saguenay, Adams, F. D.  
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Interior of Gaspé Peninsula, Ellis, Low.  
Mines in Ontario, Quebec, and Nova Scotia, Willmot.  
Niagara gorge as a chronometer, Wright, G. F.  
Relations of geologic work in Canada and the Old World, Dawson, J. W.  
Glacial action north of the St. Lawrence, Willcox.  
Canadian and Archean and Irish metamorphics, Kinnahan, G. H.  
Impression of the Cambrian of Canada, Blake, J. F.  
Microstructure of certain boulder clays, Dawson, G. M.  
Note sur dépôts aurifères de la Beauce, Laflamme.  
Study of Eozoon canadense, Julien.  
Wallbridge iron mine, Chapman.  
Observations in Saguenay region, Laflamme.  
Ice age theories, Hill, E.  
Sur un gisement d'émeraude au Saguenay, Laflamme.  
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Cambrian faunas of North America, Walcott.  
History of the Taconic question and relations of the rocks, Hunt, T. S.  
Eroding power of ice, Newberry.  
Enlargement of fragments in certain rocks, Irving and Van Hise.
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Developments of North American continent, Le Conte.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Deepest lake in America, Bailey.  
Genesis of Canadian apatite,  
Kinahan, G. H.  
Niagara gorge, Science.  
Glacial action on shores of  
Lake Superior, Crozier.  
Canadian Archean, Kinahan,  
G. H.  
Marginal kames, Lewis, H. C.  
Notices of new primordial fos-  
sils, Whitfield, R. P.  
Mode of occurrence of apatite,  
Bell.  
Apatite rocks, Falding.  
Boulder drift and sea margins  
at Little Metis, Dawson, J. W.  
Geologic survey report, Selwyn.  
Chemical contributions, Hoff-  
mann.  
Glacial action, shore of Lake  
Superior, Crozier.  
Landslide, Ontario, Spencer,  
J. W.  
Mistassini expedition, Low.  
Shells in sand, Selkirk, McDou-  
gall.  
Gneissic foliation and origin of  
Archean rocks, Lawton.  
Apatite of Ottawa County,  
Kinahan, G. H.  
Apatite near Ottawa, Dawkins,  
W. B.  
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Horizon of Siphonotreta scot-  
ica, Ami.  
Contacts de la province de  
Québec, Laflamme.  
Pleistocene fossils from Anti-  
costa, Grant and Dawson.  
Map of United States, Hitch-  
cock, C. H.  
Taconic question restated,  
Hunt, T. S.  
Use of name Taconic, Marcou, J.  
The Quebec group, Selwyn.  
Correlation of Canadian to  
structure of western Europe,  
Dawson, J. W.  
Report of geologic survey for  
1886, Selwyn.  
Report on sheet 113, Ontario,  
Coste.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Ontario, analyses, Riggs.  
Silurian of Maine, etc., Bailey,  
L. W.  
Anorthosite rocks, Adams.  
Anticosti shell marl, analysis,  
Adams.  
Canadian apatite, Shutt.  
Archean geology of the North-  
west, Lawson, A. C.; Win-  
chell, A.  
Glacial geology, Richardson, R.  
Is there a Huronian group?  
Irving, R. D.  
Landslide at Brantford, Spen-  
cer, J. W.  
Animikie rocks at Thunder  
Bay, Courtis.  
Keweenawan, Wadsworth.  
Indebtedness of American geol-  
ogists to Canada, Dawson,  
J. W.  
Graptolites from St. Lawrence  
River region, Lapworth.  
Age of Niagara River, Spencer,  
J. W.  
Thunder Bay region, Bell, In-  
gull.  
At ta wa pish kat and Albany  
rivers, Bell.  
Michipicton Bay, Herrick,  
Tight and Jones.  
Gastaldi on Italian geology,  
Hunt, T. S.  
Glaciation subsidence, Chal-  
mers.  
Report on portions of eastern  
townships, Ellis.  
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Lakes, Spencer, J. W.  
Micropetrography of drift of  
Ontario, Coleman.  
Old shore lines of Lake Ontario,  
Gilbert.  
Origin of some geographic fea-  
tures, Bell.  
Report on original Huronian,  
etc., Winchell, N. H.  
Report on survey of Minnesota,  
Winchell, A.  
Petroleum field of Ontario, Bell.  
Phosphatic nodules in Chazy,  
Ami.

## Canada—Continued.

PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.

Principles of adversaries of Taconic, Marcou, J.

Psammichnites, etc., in Cambrian, Matthew.

Range of certain fossils in Hamilton of western Ontario, Calvin.

Relations along Ottawa River, Ami.

Rocks containing scapolite, Adams and Lawson.

Montcalm and Joliette counties, Adams.

Lake Tamiscaming and Montreal River region, Bell.

Geology of the Montmorenci, Emmons, E.

Microscopic examination of rocks from Thunder Bay silver district, Bayley.

Utica fossils from Rideau, Ami.

Vicinity of Government farm, Ottawa, Ami.

Vicinity of Quebec, Marcou, J.

Eozoic and Paleozoic, Dawson, J. W.

Eozoon canadense, Dawson, J. W.; Selwyn.

Equivalency of Huronian with Peibidian, Hicks, H.

Expansion of Gulf of St. Lawrence and Canadian lakes, Bowman.

Chazy at Aylmer, Quebec, Sowerter.

Eastern townships of Quebec, Adams.

Sequence of formations about Ottawa, Ami.

Sponges from Quebec group at Little Metis, Dawson, J. W.

Sudbury copper deposits, Collins, J. H.

Acadian and St. Lawrence watershed, Bailey.

Ancient shore lines near Toronto, Ives.

Animikie and Huronian of Lake Superior, McKellar.

Classification of early Cambrian and pre-Cambrian, Irving, R. D.

## Canada—Continued.

PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.

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Types of Devonian system in North America, Williams, H. S.

Fossils in the city of Quebec, Ford.

Unconformities of the Animikie, Winchell, A.

Geology of vicinity of Quebec, Marcou, J.

Deposits of phosphate of lime, Penrose.

Report on Quebec, Ellis.

North side of the St. Lawrence above Quebec, Laflamme.

The Iroquois beach, Spencer.

Animikie slate and quartzites, Winchell, N. H.

Theories of ore deposits, Wadsworth.

Mines on Lake Superior, Ingall.

Beaver mine, Ontario, Brent.

Correlation of Animikie and Huronian, McKellar.

Huronian of Canada, Selwyn.

Between Montreal River and Lake Huron, Bell.

Great Lake basins, Drummond.

Huronian at Sudbury on Lake Huron, Attwood, Bonney.

Iron and other ores in Ontario, Ives.

Huronian and Laurentian north of Lake Huron, Lawson.

Huronian system, Bell.

Taconic of Georgia and report on geology of Vermont, Marcou, J.

Drift north of Lake Superior, Spencer, J. W.

Taconic system of Emmons, Miller, Walcott.

Marcou on Taconic of Georgia, Selwyn.

Sequence about Ottawa, Ami.

St. Lawrence Valley, Ellis.

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Utica formation of Ottawa, Woodward.

Unconformity at falls of Montmorenci, Am. Geol.



**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Great Lake basins of the St. Lawrence, Drummond.  
Turrilepas in Utica of Ottawa, Woodward, H.  
Geology of Russell and Cambridge, Ontario, Ami, Craig.  
Conglomerates in gneisses, Winchell, A.  
Taconic of eastern Newfoundland, Howley.  
Arctic currents and ice as factors in geology, Gasking.  
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Lecture on geology, Ells.  
Life history of Niagara Falls, Pohlman.  
Old channel of Niagara, Scovell.  
Pleistocene of Riviere Beaudette, etc., Dawson, J. W.  
Geology of the Montmorenci, James, J. F.; Am. Geol.  
Horizons of oil and gas, Orton.  
Glaciation of eastern Canada, Chalmers.  
Two systems confounded in the Huronian, Winchell, A.  
Minerals of Ontario, Merritt, W. H.  
Minerals of Quebec, Ells.  
Canadian classification for the Quebec, Selwyn.  
Le gaz naturel dans Québec, Laflamme.  
Nematophyton, etc., of Gaspé and Bay of Chaleurs, Dawson, J. W.  
Formations at Port Colborne as shown by drilling, McRae.  
Stratigraphy of Huronian, Winchell, N. H.  
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Fauna of Lower Cambrian, Walcott.  
Chemical contributions, Hoffmann.  
Stratigraphy of "Quebec group," Ells.  
Country northwest of Lake Superior, Lawson.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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Pre-Paleozoic surface, Lawson.  
Mining industries of eastern Quebec, Ells.  
Gravels of Ontario, Spencer, J. W.  
History of Quebec group, Hunt, T. S.  
History of Niagara River, Gilbert.  
Quebec and Taconic, American Geologist.  
Huronian-Laurentian contact north of Lake Huron, Barlow.  
Iroquois beach, Davis, Spencer, J. W.  
Iron ores of the United States, Hunt, T. S.  
Kamanistiquia silver belt, Wood.  
Macfarlane's Railway Guide, Dawson, G. M.  
Origin of the basins of the Great Lakes, Spencer, J. W.; Bonney, Hinds, Seely.  
Origin of gneiss, Bell.  
Observations on certain rocks, Winchell, A.  
Mistassini region, Low.  
Moraine of recession in Ontario, Wright, G. F.  
Region south of Grand Trunk Railway, Ells.  
St. Maurice district, Adams, F. D.  
Glacial phenomena, Bell.  
Glaciation of eastern Canada, Chalmers.  
Potholes north of Lake Superior, McKellar.  
Geological classification for Quebec, Marcon, J.  
Summary report for 1889, Selwyn.  
Tracks in Animikie rocks, Selwyn.  
Copper at Thunder Bay, Lawson.  
Quebec group of Logan, Dawson, J. W.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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 Reply to Selwyn on geological classification for Quebec, Marcou, J.  
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 Resources of Quebec, Ellis.  
 Lower and Middle Taconic, Marcou, J.  
 Lower Helderberg of St. Helens Island, Deeks.  
 Maquoketa shales, James.  
 Lake St. John County, Chambers.  
 Fossil sponges from Little Metis, Dawson, J. W.  
 Gas in eastern Ontario, Ashburner.  
 Geology of Ontario, Bell.  
 Geology of Quebec City, Ami, Ellis, Selwyn.  
 Geology of the northwest of Lake Superior, Harvey.  
 Pleistocene flora of Canada, Dawson, J. W.  
 Review of Ellis's report on Quebec, Walcott.  
 Calciferous in Champlain Valley, Brainard and Seely.  
 Calciferous formation, Walcott.  
 Northeastern extension of the Iroquois beach, Spencer, J. W.  
 Results of Archean studies, Winchell, A.  
 Erosion in Valley of the Don, Harvey.  
 Eruptives of Lake Huron region, Fairbanks.  
 Excursion in northern Appalachians, Williams, G. H.  
 Ancient shores in region of the Great Lakes, Spencer, J. W.  
 Areas of continental progress, Dana, J. D.  
 Archean of Central Canada, Lawson.  
 Archean axes of eastern North America, Dana, J. D.  
 Archean northwest of Lake Superior, Lawson.  
 Sudbury district, Bell.  
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**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

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 Lake Superior stratigraphy, Lawson.  
 High level shores of Great Lakes and their deformation, Spencer, J. W.  
 Inequality of distribution of englacial drift, Upham.  
 A last word with the Huronian, Winchell, A.  
 Asbestos, Ellis.  
 Was Lake Iroquois an arm of the sea? Davis, Stone, Spencer.  
 Age of rocks at Quebec, Selwyn.  
 Quebec group of Logan and Billings, Ami.  
 Report of field observations [Sudbury region], Winchell, N. H.  
 Review of Quaternary era, Upham.  
 Post-Pliocene continental subsidence versus glacial dams, Spencer, J. W.  
 Old channel of Niagara River, Scovell.  
 Devonian and Carboniferous, correlation, Williams, H. S.  
 Glacial lakes in Canada, Upham.  
 Archean northwest of Lake Superior, Lawson.  
 Deformation of the Algonquin beach, Spencer, J. W.  
 Chazy formation in the Champlain Valley, Brainard.  
 Nickel and copper deposits of Sudbury, Bell, Barlow.  
 Northern New Brunswick and Quebec, Bailey.  
 Cambrian of North America, Walcott.  
 American opinions on the older rocks, Winchell, A.  
 Geology of Quebec City, Ami.  
 Classification of Quebec group rocks, Walcott.  
 Metallic iron in Huronian on Lake Huron, Hoffman.  
 Silicified glass breccia, Sudbury district, Williams, G. H.

**Canada—Continued.****PROVINCES OF QUEBEC AND ONTARIO  
(and Canada in general)—Cont'd.**

1891. Subsidence in late Glacial times  
in St. Lawrence region,  
Hitchcock, C. H.

Davis on the Iroquois beach,  
Spencer, J. W.

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1827. Mineralogy of Nova Scotia,  
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1829. Geology and mineralogy of  
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Smith.

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and Alger.

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1841. Coal of Cape Breton, Brown, R.

1842. Excursion in Prince Edward  
Island, Dawson, J. W.

1843. Coal of Nova Scotia and age  
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Lyell.

Trees in coal of Cumberland,  
Nova Scotia, Lyell.

1845. Lower Carboniferous of Nova  
Scotia, Dawson, J. W.

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Scotia, Dawson, J. W.

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Brown, R.

1846. Geologic map of Nova Scotia,  
Gesner.

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Dawson, J. W.

Erect trees in coal fields of  
Cape Breton, Brown, R.

1847. Gypsiferous strata of Cape  
Breton, Brown, R.

1848. Coal fields of Caribou Cove,  
etc., Dawson, J. W.

Gypsum of Nova Scotia, Daw-  
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**Canada—Continued.****NOVA SCOTIA, PRINCE EDWARD IS-  
LAND, AND CAPE BRETON ISLAND—  
Continued.**

1848. Statistics of coal, Taylor, R. C.  
New red sandstones of Nova  
Scotia, Dawson, J. W.

1849. Coloring matter of red sand-  
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Gypsum of Nova Scotia, Ges-  
ner.

1850. Lower coal measures of Cape  
Breton, Brown, R.  
Rocks of eastern Nova Scotia,  
Dawson, J. W.

1851. Fossil rain marks, etc., Lyell.

1852. Notes on red sandstones of  
Nova Scotia, Dawson, J. W.

1853. Reptilian remains in tree trunk  
in coal of Nova Scotia, Daw-  
son, J. W.

1854. Sigilaria, etc., South Joggins,  
Jackson, C. T.

Structure of Albion coal  
measures, Dawson, J. W.;  
Poole.

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Lawrence, Nova Scotia,  
Dawson, J. W.

Coal measures of South Jog-  
gins, Nova Scotia, Dawson,  
J. W.

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Jackson, C. T.

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Nova Scotia and on origin of  
coal, Lyell.

1856. Fossil wood from Prince  
Edward Island, Dawson,  
J. W.

1857. Parallelism of rocks of Nova  
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1858. Coal fields of United States  
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ers, H. D.

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1860. Oil coal near Pictou, Nova  
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Coal field of Pictou, Poole,  
Dawson, J. W.

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Dawson, J. W.

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1863. Fossils of different coal seams in Nova Scotia, Poole. Gold fields of Nova Scotia, Campbell, J.; Poole. Recent movements of the earth's surface, Belt.
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1865. Iron of Nova Scotia, Hedley. Auriferous deposits of Nova Scotia, Hamilton, P. S. Geology of Arisaig, Honeyman. Taconic of Nova Scotia, Marcon, J. Gold in Nova Scotia, Perley. Section of coal measures on Cape Breton, Lesley, J. P.; Dawson, J. W.
1866. On deposition of coal, Dawson, J. W. Coal, iron, and oil, Daddow. Red sandstone of Nova Scotia, McKay. Geology of Antigonish County, Honeyman. Map of Canada, etc., Logan and Hall.
1868. Guide to coal fields of Nova Scotia, Heatherington. Gold regions of Nova Scotia, Hunt, T. S.

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1868. Subdivisions of Acadian Carboniferous limestones, Hartt, Dawson, J. W.
1869. Gold deposits of Nova Scotia, Hind. Mineralogy of Nova Scotia, How, H.
1870. Submerged forest trees in Cumberland basin, Hamilton, P. S. Laurentian and Huronian, Hind. Londonderry iron mines, Honeyman. Notes on Spring Hill coal, Hartley. Report on Pictou coal field, Hartley. Pictou coal and iron, Hartley. Two gneissoid series in Nova Scotia, Hind. New points in Acadian geology, Dawson, J. W. Sherbrook gold district, Hind. Laurentian in Nova Scotia, Hunt, T. S. Iron deposits of East River, Honeyman. Structure of gold district, Hind. Peculiarity in coal seam, Rutherford. Explorations in Pictou coal field, Haliburton. Geology of Gays River gold field, Honeyman. Report on Pictou coal field, Logan. Gneissoid series of Nova Scotia, Hind. Coal fields of Nova Scotia, Rutherford. Geology of Arisaig, Honeyman.
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Coal mines of Sydney, Cape Breton, Robb.
1874. On some fossil bones, Gilpin.  
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1877. Glaciation of Nova Scotia, Honeyman.  
Discoveries of copper in Nova Scotia, Gilpin.  
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Coal regions of America, Macfarlane, J.  
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1879. Surveys in Cape Breton, Fletcher.  
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1882. Metalliferous sands, Honeyman.

**Canada—Continued.****NOVA SCOTIA, PRINCE EDWARD ISLAND, AND CAPE BRETON ISLAND—Continued.**

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1883. Foldings of Carboniferous, Gilpin.  
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1884. Cambrian of United States and Canada, Walcott.  
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1885. Cambrian faunas of North America, Walcott.  
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Bull. 127.—12

**Canada—Continued.****NOVA SCOTIA, PRINCE EDWARD ISLAND, AND CAPE BRETON ISLAND—Continued.**

1886. Nova Scotia gold, Gilpin.  
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Manganese of Loch Lomond, Gilpin.  
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1887. Guysboro, Antigonish, and Pictou, Fletcher.  
Coal rocks of Canada, Adams, F. D.  
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Limestone of East River, Nova Scotia, Gilpin.  
Lower Cambrian, Nova Scotia, Faribault.

## Canada—Continued.

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1887. Cambrian of Cape Breton, etc., Matthew.

1888. Pictou and Colchester, Fletcher.

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Examination by Hall of Silurian collection, Honeyman.

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Faults and foldings of Pictou coal field, Gilpin.

Aylesford, Kings County, Honeyman.

Gold-bearing rocks in Halifax County, Faribault.

1889. Glacial boulders of our fisheries, Honeyman.

Boulder in Halifax coal, Spencer, J.

Ice in Carboniferous period, Poole.

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1890. Cambrian organisms in Acadia, Matthew.

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Southern invertebrates on shores of Acadia, Ganong.

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Gleanings in Nova Scotia and Cape Breton, Honeyman.

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Fauna of Lower Cambrian, Walcott.

1891. New horizon in St. John group, Matthew.

Gold series, Nova Scotia, Faribault.

## Canada—Continued.

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1891. Auriferous series of Nova Scotia, Monckton.

Cambrian group of North America, Walcott.

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Manganese deposits, Penrose.

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1852. Fossil fishes from the coal, Marcou, J.

1853. Albert mine Dawson, J. W. Sur le terrain houiller d'Hillsboro, Jackson, C. T.

1854. Origin of materials in New Brunswick formations, Jackson, C. T.

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1856. Second bed of coal in Albert mine, Hayes, A. A.

## Canada—Continued.

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1858. Coal fields of the United States, etc., Rogers, H. D.
1861. Coal and albertite of New Brunswick, Leidy.  
Age of New Brunswick, etc., sandstones, Rogers, W. B.; Agassiz, L.  
Age of red sandstone of Maine, Jackson, C. T.  
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1863. Flora of Devonian, Dawson, J. W.  
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1864. Notes on New Brunswick, Bailey, L. W.  
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1865. Copper rocks of southeastern New Brunswick, Matthew.  
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Fauna of primordial in vicinity of St. John, Matthew.  
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1866. Map of Canada, etc., Logan and Hall.
1868. Grand Manan, Verrill.

## Canada—Continued.

## NEW BRUNSWICK—Continued.

1868. Huronian and Lower Carboniferous of New Brunswick, Matthew.  
Recent bird tracks in basin of Minas, Hartt.
1869. Origin of albertite and allied minerals, Peckham.  
Metamorphics of New Brunswick and Maine, Bailey and Matthew.
1870. Geology of New Brunswick and Nova Scotia, Hind.  
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1871. Metalliferous deposit of Gloucester, Henwood.  
Plants in Devonian and Silurian, Dawson, J. W.
1872. Northwestern New Brunswick, Robb.  
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Island of Grand Manan, Bailey, L. W.  
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1873. Geology of the Lower Carboniferous, Dawson, J. W.  
Borings for coal, New Castle Bridge, Ellis.  
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Copper ore on Grand Manan, Chapman.
1874. Geology of southern New Brunswick, Hunt, T. S.  
Cretaceous and Niagara fossils, Honeyman.
1875. Post-Pliocene near Bathurst, Paisley.
1876. Iron ores of Carleton County, New Brunswick, Ellis.  
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1877. Observations in southern New Brunswick, Bailey and Matthew.



**Canada—Continued.****NEW BRUNSWICK—Continued.**

1878. A month in New Brunswick, Honeyman.  
Slate formation of Charlotte County, New Brunswick, Matthew.
1879. Pre-Silurian of southern New Brunswick, Ellis.  
Superficial geology of southern New Brunswick, Matthew.  
Upper Silurian and Huronian of southern New Brunswick, Matthew.  
Huronian and Cambrian of southern New Brunswick, Bailey, L. W.  
Macfarlane's Geological Railroad Guide, Hunt, T. S.
1880. Geological relation of Devonian insects, New Brunswick, Dawson, J. W.  
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1881. Progress of investigations in New Brunswick, Bailey, L. W.  
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1882. Cambrienne du Nouveau-Brunswick, Matthew and Bailey.
1883. Northern and eastern New Brunswick, Ellis.  
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Fishes, etc., from Devonian at Campbelltown, Whiteaves.  
Geologic history of St. Johns River, Bailey, L. W.  
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Fauna of St. Johns group, Matthew.  
Fishes, etc., in Devonian, Whiteaves.
1884. Albert and Westmoreland counties, Huntington, J. H.

**Canada—Continued.****NEW BRUNSWICK—Continued.**

1884. Cambrian of United States and Canada, Walcott.  
Azoic system, Whitney and Wadsworth.
1885. History of Taconic question, Hunt, T. S.  
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Contacts and ancient erosions in New Brunswick, Bailey.  
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Recent discoveries in St. Johns group, Matthew.  
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1886. New primordial fossils, Whitfield, R. P.  
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Fryes Island, Matthew.
1887. Map of United States, Hitchcock, C. H.  
Coal rocks of Canada, Adams, F. D.  
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Explorations in portions of New Brunswick, Bailey and McInnes.  
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1888. Relations between geology of Maine and New Brunswick, Bailey.  
New genus of Silurian fishes, Matthew.

**Canada—Continued.****NEW BRUNSWICK—Continued.**

1888. Basal series of Cambrian in Acadia, Matthew.  
 Surface geology of New Brunswick, Chalmers.  
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 Classification of Cambrian rocks of Acadia, Matthew.  
 Taconic on Emmons, Walcott.  
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1890. Surface geology of southern New Brunswick, Tyrrell.  
 Fauna of Lower Cambrian, Walcott.  
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 Eozoon in Laurentian at St. John, Matthew.
1891. Age of the Catskill flora, Dawson, J. W.  
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 Notes on Cambrian faunas, Matthew.  
 Genesis of manganese deposits, New Brunswick, Whittle.  
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 Northern New Brunswick, etc., Bailey, L. W.  
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1839. Preliminary report on Newfoundland, Jukes.
1842. Excursions in Newfoundland in 1839 and 1840, Jukes.
1843. Report on survey of Newfoundland, Jukes.
1844. Newfoundland in 1842, Bonycastle.
1846. Bonaventure River district, Murray, A.

**Canada—Continued.****NEWFOUNDLAND—Continued.**

1851. Subsidence of shore of Newfoundland, Perley.
1862. Geology and physical characteristics of Newfoundland, Perley.
1866. Report of survey of Newfoundland for 1865, Murray, A.  
 Remarks on geology of Newfoundland, Logan.  
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1867. Report of survey of Newfoundland for 1866, Murray, A.
1868. Survey of Newfoundland for 1868, Murray, A.  
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1872. Rocks of Rocky River survey, Newfoundland, Murray, A.  
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 Formations of Trinity Bay region, Newfoundland, Murray, A.  
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 Fossils in so-called Huronian of Newfoundland, Billings.  
 Bay and River Exploits, Newfoundland, Murray, A.
1873. Geologic map of Newfoundland, Murray, A.
1874. Coal and lower Carboniferous of western Newfoundland, Gilpin.  
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1875. Gander River, Murray, A.  
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1876. Report on Exploits River and Notre Dame region, Newfoundland, Murray, A.  
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**Canada—Continued.****NEWFOUNDLAND—Continued.**

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1877. Rocks of Newfoundland, Milne. Exploration on Gambo and Gander rivers, Howley.
- Geological map of Newfoundland, Murray, A.
1878. Primordial fossils of southeast Newfoundland, Whiteaves.
1879. Geological map of Newfoundland, Murray and Howley. Serpentine and ores of Newfoundland, Murray, A. Report of survey of Newfoundland for 1878, Howley.
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1882. Geology of Avalon, Newfoundland, Howley.
1883. Glaciation of Newfoundland, Murray, A.
1884. Cambrian of United States and Canada, Walcott. Rocks and ores of Notre Dame Bay, Wadsworth. Azoic system, Whitney and Wadsworth.
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1886. Olenellus (?) Kjerulfi in America, Matthew.
1887. Cambrian faunas, Matthew. Fauna of St. John group, Matthew.
1888. Copper mining at the Cove, Newfoundland, Garland. Taconic of Emmons, Walcott, Miller, S. A.
1890. Sponges in rocks at St. John, Matthew. Fauna of Lower Cambrian, Walcott.
1891. Carboniferous fossils from Newfoundland, Dawson, J. W. Cambrian group of North America, Walcott.

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1829. Geology of Labrador coast, Baddeley, F. H.

**Canada—Continued.****LABRADOR—Continued.**

1851. Glaciation on shore of Labrador, Wyman. Subsidence of shore of Labrador, Wyman.
1860. Coast of Labrador, Lieber. Tertiary fossils from Labrador, Maine, etc., Dawson, J. W.
1861. Expedition nach Labrador, Lieber.
1864. Supposed glacial drift in Labrador and western Canada, Hind.
1866. Drift phenomena of Labrador, Packard. Glacial phenomena of Labrador and Maine, Packard.
1877. Pan ice work and glacial marks in Labrador, Packard.
1878. Northeastern coast of Labrador, Hind. Geology of Labrador coast, Wilkins.
1882. Glacial marks in Labrador, Packard.
1884. Report on north shore of Labrador, Bell, R. Ueber Gesteine von Labrador, Wichmann.
1885. Labrador coast and Hudson Strait region, Bell, R. Glacial action, Heilprin.
1887. Physical geography, Packard.
1888. Ungava district, Labrador, Turner, L. Cruise to northern Labrador, Packard.
1891. Labrador coast, Packard. Facts noted on Grand River, Labrador, Cary.

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1852. Geology of Lake of the Woods, Bigsby.
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1855. Geology of Hudson Bay territories, etc., Isbester. Coal basin in western border of Lake of the Woods, Schoolcraft.

**Canada—Continued.****MANITOBA TO ROCKY MOUNTAIN REGION—Continued.**

1859. Exploration of passes of the Rocky Mountains, Blackiston.  
Fossils from Red River country, Meek and Hayden.  
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Exploration of country between Lake Superior and Red River, Dawson, S. J.
1861. Country between Lake Superior and the Pacific, Hector.  
Drift of western Canada by Chapman, Dawson, J. W.
1863. Fossil plants collected on northwest boundary, Newberry.
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**Carboniferous—Continued.**

NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIA—Continued.

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**Carboniferous—Continued.****NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.**

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Coal from Broome County, W. Va., Richardson, J. W.  
Survey of county of Steuben, N. Y., Denniston.  
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Bull. 127—13

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Record of boring in Wilkesbarre region, Pa., Sheaffer.  
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 Violation of law of debitumenization of coal eastward, Lesley, J. P.  
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 Structure of Tazewell, Russell, and Wise counties, Va., Lesley, J. P.
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 Geology of northeast Pennsylvania, Lesley, J. P.  
 Coal seams of Beaver County, Pa., White, I. C.  
 East side of Cahaba coal field, Ala., Tuomey.  
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 Beaver County south from Ohio River, Pa., White, I. C.  
 Coal measures of the Youghiogheny, etc., Platt, F.  
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**Carboniferous—Continued.**

NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.

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 Coal fields of Potter County, Pa., Platt, F.  
 Coal of Pennsylvania, Shaefer, P. W.  
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 Geology of Mercer County, Pa., White, I. C.; Lesley, J. P.  
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 Coal bed of Ohio River counties, W. Va., White, I. C.  
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**Carboniferous—Continued.****NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.**

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**Carboniferous—Continued.****NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.**

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**Carboniferous—Continued.****NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.**

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**Carboniferous—Continued.**

NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.

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**Carboniferous—Continued.**

NEW YORK, PENNSYLVANIA, MARYLAND, VIRGINIAS—Continued.

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**OHIO.**

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**Carboniferous—Continued.****OHIO—Continued.**

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**Carboniferous—Continued.****OHIO—Continued.**

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Erie and Lorain counties, Ohio, Newberry.  
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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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—Continued.**

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Bull. 127—15

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Bull. 127—17

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Bull. 127—18

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Continued.

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Continued.

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**Cretaceous—Continued.****DAKOTAS AND MINNESOTA TO TEXAS—Continued.**

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**ROCKY MOUNTAIN TO GREAT BASIN REGIONS.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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stock, T. B.

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REGIONS—Continued.**

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Bull. 127—19

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REGIONS—Continued.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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REGIONS—Continued.**

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stock.

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Lakes.

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dridge.

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quereux.

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Mountains, Hills.

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Chauvenet.

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etc., Stevenson.

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C. A.

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Ihlse.

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Stanton.

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Trinidad coal region, Lakes.

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floras, Newberry.

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C. A.

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O. C.

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of Wyoming, Ricketts.

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epoch, Cope.

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cou, J.

**Cretaceous—Continued.****ROCKY MOUNTAIN TO GREAT BASIN  
REGIONS—Continued.**

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phaea pitcheri*, Marcou, J.  
Great Falls coal basin, New-  
berry.

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Ward, L. F.

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County, Colo., Palmer.

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J. D.

Huerfano beds, Hills.

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and New Mexico, Stevenson.

Laramie group, Cope, New-  
berry, Stevenson, Ward, L. F.

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Dana, J. D.

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tains, Emmons, S. F.

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yon, Walcott.

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C. A.

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White, C. A.

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ming, Ricketts, L. D.

Yellowstone Park, Iddings.

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REGIONS—Continued.**

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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Bull. 127—22

**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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## Devonian—Continued.

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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Iron ores of the Virginias, Rogers, W. B.

**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

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Geologic map of Wyoming County, Pa., Sherwood, A.  
Recurrence of faunas in Devonian of New York, Williams, H. S.  
Survey of Delaware Water Gap, Chance.  
Models of parts of central Pennsylvania, Lesley, J. P.  
Section at St. Mary's, Elk County, Pa., Ashburner.
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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

1883. Equivalency of Catskill and Ponent, Lesley, J. P.  
Equivalent of Schoharie grit in Pennsylvania, Claypole.  
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Catskill near Le Roy, Pa., Claypole.  
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Unconformity at Rondout, N. Y., Davis, W. M.
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Perry County fault, Pennsylvania, Claypole.  
Helderberg limestones east of the Catskills, Davis, W. M.  
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Report on terminal moraine in Pennsylvania, etc., Lewis, H. C.; Lesley, J. P.

**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

1884. Chemung section at Le Roy, Pa., Lilley.  
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 Rensselaeria in the Hamilton of Perry County, Pa., Claypole.  
 Geology of northwest Georgia, McCutchen.  
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 Geology of Alabama, Schmitz.  
 Devonian in Genesee and Wyoming counties, N. Y., Williams, H. S.  
 Classification of upper Devonian, Hall, J.  
 Distribution of iron ores in eastern United States, Smock.  
 New York building stones, Cook and Smock.  
 New Jersey building stones, Cook and Smock.  
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**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

1885. Map of Adams, Franklin, and Cumberland counties, Pa., Lesley, J. P.  
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 Relations of Chemung and Waverly in New York and Pennsylvania, Hall, J.  
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## Devonian—Continued.

## APPALACHIAN REGION (New York to Alabama)—Continued.

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Map of United States, Hitchcock, C. H.

## Devonian—Continued.

## APPALACHIAN REGION (New York to Alabama)—Continued.

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Cambria County, Pa., Fulton.

Four great sandstones, Claypole.

Lehigh River cross section, Hill, F. A.; Winslow.

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Greenbrier County, W. Va., Page.

Mineral resources of Tennessee, Page.

New River-Cripple Creek region, d'Inwilliers and McCreath.

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Smith and Gesner, Smock,

Lesley, Lewis, Campbell,

Fontaine, White, I. C.

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Age of the Catskill flora, Dawson, J. W.

**Devonian—Continued.****APPALACHIAN REGION (New York to Alabama)—Continued.**

1891. Fauna with *Goniatites intumescens* in western New York, Clarke, J. M.  
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**NEW ENGLAND.**

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**Devonian—Continued.****NEW ENGLAND—Continued.**

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**WEST OF THE APPALACHIANS TO THE MISSISSIPPI AND MINNESOTA.**

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WEST OF THE APPALACHIANS TO THE  
MISSISSIPPI AND MINNESOTA—Continued.

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MISSISSIPPI AND MINNESOTA—Continued.

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**Devonian—Continued.****WEST OF THE APPALACHIANS TO THE  
MISSISSIPPI AND MINNESOTA—Con-  
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**Devonian—Continued.****WEST OF THE APPALACHIANS TO THE  
MISSISSIPPI AND MINNESOTA—Con-  
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**Devonian—Continued.****WEST OF THE APPALACHIANS TO THE MISSISSIPPI AND MINNESOTA—Continued.**

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**Devonian—Continued.****WEST OF THE APPALACHIANS TO THE MISSISSIPPI AND MINNESOTA—Continued.**

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- WEST OF THE MISSISSIPPI RIVER.**
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**Devonian—Continued.****WEST OF THE MISSISSIPPI RIVER—Continued.**

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Bull. 127—23

**Devonian—Continued.****WEST OF THE MISSISSIPPI RIVER—Continued.**

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Bull. 127—26

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Bull. 127—27

**Geologic Philosophy—Continued.****PETROLOGY—Continued.**

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Bull. 127—28

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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Structure of Connecticut Valley, Davis, W. M.  
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Origin of Triassic monoclinial, Davis, W. M.  
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Coals, Ashburner.

**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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 Tracks in York County, Pa., Wanner.  
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 Arkose beds in Triassic in central Massachusetts, Emerson.  
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 Age of overthrusts of southern Appalachians, Davis, W. M.  
 Artesian wells in eastern Pennsylvania, Carter.  
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**Juratrias—Continued.****MASSACHUSETTS TO NORTH CAROLINA—Continued.**

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 Salt formation at Salina, Forman.  
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 Geology of the Highlands, Mather.

**New York—Continued.**

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Mineralogy and geology of Orange, N. Y., and Sussex, N. J., Shepard.
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Geology of western New York, Hayes, G. E.  
First report on fourth district, Vanuxem.  
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Remarks on rocks of New York, Dewey, C.  
Second report on fourth district, Hall, J.  
Second report on third district, Vanuxem.  
Report of geologist of second district, Emmons, E.

**New York—Continued.**

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Report on chemistry of survey of New York, Beck.  
Geology and topography of western New York, Hayes, G. E.  
Rogers on the transition rocks, Silliman and Silliman.  
Corniferous lime rock as the line of reference, Eaton.  
Notes on American geology, Conrad.  
Thermal springs of North America, Daubeny.  
Geology of New York County, Gale.  
Third report on third district, Vanuxem.  
Third report on fourth district, Hall, J.  
Third report on first district, Mather.  
Second report on paleontology of New York, Conrad.  
Third report on second district, Emmons, E.  
Geology of Orange County, Horton, W.
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Equivalency of deposits on east and west sides of the Atlantic, Eaton.  
Fourth report on third district, Vanuxem.  
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Appendix to report of the fourth district, Horsford.  
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Fourth report of second district, Emmons, E.  
Appendix to fourth report on second district, Car.  
Fourth report on fourth district, Hall, J.  
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Analogy of fossils in Hudson slate in eastern and western New York, Mather, Vanuxem.

**New York—Continued.**

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 Fifth report of second district, Emmons, E.  
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 Sketch of geology of North America, Daubeny.  
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 Notes on geology of the Western States, Hall, J.  
 Origin of drift near New York, Redfield.  
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 Section from Cleveland to the Mississippi and on identity of Western formations, Hall, J.  
 Mud furrows, wave lines, etc., on New York rocks, Hall, J.  
 Striae and furrows in rocks of western New York, Dewey, C.  
 Explanation of sections at Portage, Dewey, C.  
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 Geologic history of New York Island, Cozzens.  
 Distribution of fossils in the older rocks, Hall, J.  
 Glaciated cherty limestone near Niagara, Hall, J.  
 Origin of mineral springs, Vanuxem.  
 Bull. 127—44

**New York—Continued.**

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 Cretaceous fossils in wells in Brooklyn, Redfield.  
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**New York—Continued.**

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 Remarks on the Taconic system, Emmons, E.  
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 Parallelism of Paleozoics of North America with those of Europe, Verneuil, Hall, J.  
 Observations on Lewis County, Hough.  
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 Ancient sea margins, Chambers.  
 Report on Taconic, Vanuxem.
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 Terrain erratique de l'Amérique du Nord, Desor.  
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 Fossils of Paleozoics of United States, etc., Sharpe, D.  
 Results of paleontologic studies in New York, Hall, J.  
 Mitchell Cave, Montgomery County, Eights.  
 Statistics of coal, Taylor, R. C.  
 Shells in drift in Brooklyn, Redfield.  
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 Fossils in drift at Brooklyn and Westport, Desor.  
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**New York—Continued.**

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 Origin of drift and terraces of aqueous action, Rogers, H. D.  
 Drift from the southward in St. Lawrence County, Hall, J.  
 Survey of county of Washington, Fitch.  
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 Survey of county of Essex, Watson.  
 Diluvial agencies during earlier geologic periods, Hough.

**New York—Continued.**

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Geologic map of United States, etc., Marcon, J.  
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Drift of Brooklyn, Desor, Redfield.  
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Review of Murchison's Siluria, Whitney, J. D.  
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Description of supposed ichthyodolomite, Hopkins.  
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Subsidence on New Jersey and Long Island, Cook.  
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Parallelism of Paleozoics of United States and Europe, Hall, J.  
Illustrations of surface geology, Hitchcock, E.  
On the falls of Niagara and their changes, Bakewell.  
Survey of the County of Madison, Evans.  
Remarks on Niagara Falls, Gibbs, Hall, J.  
Notes on the Onondaga basin, Smith, V. W.  
Mineralogy of metamorphic rocks, Hunt, T. S.

**New York—Continued.**

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Geology of North America, Marcon, J.  
Geological causes that have influenced the scenery of Canada, etc., Ramsay.  
Glacial phenomena in Canada and the United States, Ramsay.  
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Paleontology of New York, vol. 3, Hall, J.  
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The plains of Long Island, Watson.
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History of petroleum, Hunt, T. S.  
Taconic system of Emmons, Hunt, T. S.  
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Subpeat deposits of Diatomacea, Edwards.  
Survey of county of Steuben, Denniston.  
Faunal relations of some geologic groups, Rogers, W. B.  
Bowlders in Orange County, Lesley, J. P.  
Guide to geology of New York, Lincklaen.  
Barrande on Primordial and Taconic, Hunt, T. S.  
Appalachian Mountain system, Guyot.



**New York—Continued.**

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Fresh-water shells in some post-Tertiary deposits, Bell, R.
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Catskill group in New York, Hall, J.  
Age of rocks heretofore called old red sandstone, Jewett.  
Lower Silurian, Jurassic, Cretaceous, and Tertiary fossils from Nebraska, Meek and Hayden.  
Age of Oriskany sandstone, DeCew.  
Potsdam and Hudson rocks in Vermont, Hall, J.  
Survey of county of Orange, Deniston.  
Thirty years' progress in geology of the older rocks, Murchison.
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Mohawk Valley glacier, Dana, J. D.  
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Identity of Oneida and Medina, Jewett.  
Geology of eastern New York, Hall and Logan.
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Le Niagara quinze ans après, Marcou, J.  
Distribution of graptolites, Hall, J.  
Fossils from Marshall group of Michigan and its equivalents, Winchell, A.  
Neighborhood of Rossie, Macfarlane.  
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**New York—Continued.**

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Formation of ripple marks, Wyman.  
Mastodon at Cohoes, Safely.  
Map of Canada and part of the United States, Logan and Hall.  
Fossil localities in Livingston and Genesee counties, Green, H. A.  
Subsidence of land at Coxsackie, Dwight.
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On the name Hudson River group, Meek.  
Post-Pliocene on Gardiners Island, Smith, S. I.  
History of geology of New York Island, Stevens.  
Notice of fauna of Potsdam sandstone, Hall, J.
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So-called lignilites or epsomites, Marsh, O. C.  
Points in geology of Vermont, Hunt, T. S.  
Relations of mastodon and elephant in America, Hall, J.  
Geology of New Jersey, Cook, G. H.  
Eozoische Formationsgruppe Nord-Amerikas, Credner.
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Coast depression of Long Island, Lewis, E.  
Rock ruins, Niagara Falls, Hyatt.
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Gas well in New York, Wurtz.  
Norite or Labradorite rock, Hunt, T. S.
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Color of rocks poor in animal remains, Newberry.  
Deposition of mastodon skeleton at Cohoes, Gilbert, G. K.  
Primordial near Troy, Ford.  
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Geognosy of Appalachians, Hunt, T. S.

**New York—Continued.**

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Felsites of Palisade range, Schweitzer.  
Position and height of plateau on which New England glacier originated, Dana, J. D.  
Relative age of Niagara and Lower Helderberg groups, Worthen.  
Rocks of Ulster County, Lindsley.  
Plants of Devonian and Silurian of Canada, Dawson, J. W.  
Gas well at West Bloomfield, Wurtz.  
Analysis of Triassic sandstones, Schweitzer.  
Schists and limestones of New York Island, Martin, D. S.  
Devonian age of Schunnemunk Mountain, Martin, D. S.
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Notes on granitic rocks, Hunt, T. S.  
Remarks on Taconic controversy, Billings, E.  
Glacial phenomena in vicinity of New York City, Stevens.  
Certain rocks in St. Lawrence County older than Potsdam, Brooks.  
Green Mountain geology, Dana, J. D.  
Niagara, its history, geology, etc., Holley, G. W.  
Glacial scorings in St. Lawrence County, Willcox.  
Relation of Middle and Upper Silurian in United States, Hall, J.  
Past and future of Niagara, Gunnung.  
What is true Taconic, Dana, J. D.  
Origin of eoçoönal limestone, Perry.
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Map of United States, Hitchcock, C. H.; Hitchcock and Blake.  
Glacial movements in northern New York, Stevens.  
Fossils in lower Potsdam at Troy, Ford.  
Glacial and Champlain eras in New England, Dana, J. D.

**New York—Continued.**

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Map of the United States by Hitchcock and Blake, Dana, J. D.  
River and lake terraces, Youmans.  
Fossil trees of Gilboa, Hall, J.  
Trains of bowlders and transport of bowlders, Reed.  
Position of iron ores of northern New York, Hunt, T. S.  
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Serpentines of the eastern United States, Martin, D. S.  
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Breaks in the Paleozoic series, Hunt, T. S.  
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Earthquake of 1874, Martin, D. S.

**New York—Continued.**

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 Primordial in Rensselaer County, Ford.  
 Boulder near Batavia, Fargo.  
 Galena deposits in Laurentian of Ontario, Vennor.
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 Silurian fossils in drift on Long Island, Martin, D. S.  
 Lower Helderberg of Port Jervis, Barrett.  
 Serpentine limestone of northern New York, Hall, J.  
 Geologic notes from New York, Lloyd.  
 Spathic iron ores of the Hudson, Raymond.  
 Fossils at Troy and Lansingburg, Ford.  
 Southern counties of New York and Catskill range, Hall, J.
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 Graptolite beds at Normanskill, Whitfield, R. P.  
 Relation of geology of Vermont to that of Berkshire, Dana, J. D.  
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 Ithaca and vicinity, Simons.  
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 Oil records and levels, Pennsylvania, Carll.  
 Long Island coast, Lewis, E. J.  
 On the Glacial epochs, Price, E. K.  
 Water courses of Long Island, Lewis, E.  
 Archean of Canada, Vennor.  
 Valleys of southern Long Island, Lewis, E.  
 Lower Helderberg at Port Jervis, Barrett.
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 Dikes and Azoic of southeastern Pennsylvania, Hunt, T. S.  
 Correlation of Lower Helderberg of New York, Callaway.  
 Changes of heights in land and sea in Glacial and Champlain periods, Upham.

**New York—Continued.**

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 Geological history of New York Island, etc., Newberry.  
 Rocks of New York Island, Martin, D. S.  
 Term Hudson River in nomenclature, Hall, J.  
 Section in Catskill Mountains, Sherwood, A.  
 Section along Schoharie Creek, Sherwood and Sherwood.  
 Rock salt in western New York, Macfarlane.  
 The Ice age, Gratacap.  
 Geology of Lake Champlain region, Hall, J.  
 Distribution of till, Upham.  
 History of North American lake region, Maw.  
 Goderich salt region, Hunt, T. S.  
 Geology of New York State, Callaway.  
 Notes on lithology of the Adirondacks, Leeds.  
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 Paleontology of New York, vol. 5, Hall, J.  
 Age of slates and grits of Poughkeepsie, Dale.  
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 North American Mesozoic and Cenozoic, Miller, S. A.  
 On Hunt's and Dana's geological tables, Brounhead.  
 A study of the rocks at Rondout, Lindsley.  
 Formation of Cape Cod, Upham.  
 Hudson age of Taconic schists, Dana, J. D.  
 Wappinger limestone, Dwight.  
 Macluria magna near Newburg, Whitfield, R. P.  
 Terminal moraine of the North American ice sheet, Upham.  
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 History of Triassic in New Jersey and Connecticut Valley, Russell, I. C.

**New York—Continued.**

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Atlantic system of mountains,  
Hitchcock, C. H.  
Iron ores of northern New York,  
Hall, C. E.  
Limit of drift in New Jersey,  
Cook.
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stones of the Catskills, Hall, J.  
Paleontologic researches on Gen-  
esee slate, Williams, H. S.  
Geology of the oil regions, Carll.  
History of some pre-Cambrian  
rocks, Hunt, T. S.  
Structure and hypsometry of the  
Catskill Mountains, Guyot.  
On *Atops triliniatus*, etc., Ford.  
Wappinger Valley limestone,  
Dwight.  
Former extent of Triassic in the  
East, Russell, I. C.  
Geologic action of humus acids,  
Julien.  
Age of the Green Mountains,  
Dana, J. D.  
Western limit of the Taconic  
system, Ford.  
List of papers on Taconic system,  
Dana, J. D.  
Succession of glacial deposits in  
New England, Upham.  
Limestone belts of Westchester  
County, Dana, J. D.  
Recent investigations near  
Poughkeepsie, Dwight.  
Nomenclature Paléozoïque,  
Hall, J.  
Geology of McKean County,  
Pa., Ashburner.  
Geology of Potter County, Pa.,  
Sherwood, A.; Lesley, J. P.
1881. Taconic system in geology, Hunt,  
T. S.  
Fossils in Wappinger limestone,  
Dwight.  
New Devonian plants, Dawson,  
J. W.  
Age of rocks of New York Island,  
etc., Britton, N. L.  
Mineral springs of Saratoga,  
Fish, C.  
Geology of Staten Island, Britton,  
N. L.; Dana, J. D.  
Canyons; their character and ori-  
gin, Bross.

**New York—Continued.**

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shales, Williams, H. S.  
Kames and moraines of New Eng-  
land, Wright, G. F.  
Mastodon, Broadhead.  
Unification of Silurian nomen-  
clature, Miller, S. A.  
Colonies dans les roches Tacon-  
iques, Marcon, J.  
Pre-Glacial formation of beds of  
great American lakes, Claypole.  
Geology of Philadelphia County,  
etc., Pa., Hall, C. E.; Lesley,  
J. P.  
Record of geology, 1879-1880,  
Hawes.  
Various massive rocks made in  
one metamorphic process, Dana,  
J. D.
1882. Niagara River, Ballou.  
The Potsdam sandstone, Minne-  
sota, Winchell, N. H.  
Terraces and beaches of Lake  
Ontario, Spencer, J. W.  
Amount of oil remaining, Wrig-  
ley.  
Pre-Glacial outlet of Lake Erie  
and origin of the lower Great  
Lakes, Spencer, J. W.  
North America in the Ice age,  
Hitchcock, C. H.  
Potholes near Williamsbridge,  
Britton, N. L.  
Rocks of New York and Staten  
islands and on drift, New-  
berry.  
Thickness of glacier, Smock.  
Remarks on the Catskills and the  
Hudson Valley, Newberry.  
Mineral localities around New  
York, Darton.  
Correlation of eastern and west-  
ern terminal moraines, Cham-  
berlin.  
Tertiary of central region, Cope.  
Flood in Connecticut Valley from  
melting glacier, Dana, J. D.  
Chemung fossils in Delaware  
County, Jewett.  
Features of lower Great Lakes  
during Great River age, Spen-  
cer, J. W.  
Evidence of pre-Glacial origin of  
basins of Lakes Erie and On-  
tario, Claypole.

**New York—Continued.**

1882. Age of the Taconic system, Dana, J. D.  
 Notes on Yates County, Wright, B. H.  
 Excavation of the bed of the Kaaterskill, Julien.  
 Notes on Staten Island, Britton, N. L.  
 Recurrence of faunas of the Devonian, Williams, H. S.  
 Glacial phenomena of North America and man on the Delaware, Wright, G. F.  
 Serpentine of Staten and New York islands, Julien.  
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 Dip of rocks in central New York, Williams, S. G.  
 Parallel drift hills of western New York, Johnson, L.  
 Niagara River, Pohlman.  
 Geology of western end of Lake Ontario, Spencer, J. W.  
 Genesis of crystalline iron ores, Julien.  
 Age of Alleghany oil sand, Ashburner.  
 Fauna at base of the Chemung, Williams, H. S.  
 Undulations of rocks across central New York, Williams, H. S.  
 Classification of lake basins, Davis, W. M.  
 Equivalency of Catskill and Poyent, Lesley, J. P.  
 Unconformity at Rondout, Davis, W. M.  
 Terminal moraine of second Glacial period, Chamberlin, T. C.  
 Decay of rocks, Hunt, T. S.  
 Glacial phenomena of Long Island, by Bryson, Dana, J. D.  
 Fluidal cavities in quartz grains, Merrill, G. P.  
 Progress of geology, 1882, Hunt, T. S.  
 Utica and related horizons, Walcott.  
 Observations in the Champlain Valley, Walcott.  
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Bull. 127—45

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#### Pennsylvania—Continued.

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**Pennsylvania—Continued.**

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First report on survey of Pennsylvania, Rogers, H. D.  
Map of anthracite coal fields, Fisher.
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Section in Lawrence County, Leasure.  
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Broadtop coal basin, Lesley, J. P.  
Direction of currents and source of materials of Lower Paleozoic, Hall, J.

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Relations at Gwynned and Phoenixville, Lea, I.  
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Age of rocks at Phoenixville, Leidy.  
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Instance of reversed drainage, Lesley, J. P.  
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Mesozoic of Atlantic Slope, Wheatly, C. M.  
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Taconic question, Hall, J.  
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Occurrences of iron in masses, Whittlesey.  
Geology of New Jersey, Cook, G. H.
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Fucoids in coal formation, Lesquereux.  
Discovery of oil 70 miles above Pittsburg, Lesley, J. P.
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Boulders in gneiss near Philadelphia, Leeds.  
Creep in Potsdam near Philadelphia, Rand.
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Relations of Oneonta and Montrose sandstones, Hall, J.  
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Pennsylvania's ancient sea, Leeds.  
Record of boring in Wilkesbarre region, Sheaffer.  
Cave in eastern Pennsylvania, Wheatly.

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Boring records from the anthracite basin, Sheaffer.  
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Section across the Alleghanies to illustrate plication, Lesley, J. P.  
Pennsylvania's foundation stones, Leeds.
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Notes on West Virginia, Stevenson.
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Structure and erosion of Brush Mountain, Lesley, J. P.  
Corundum, its alterations and associates, Genth.  
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Violation of law of debituminization of coals, Lesley, J. P.  
Record of oil wells, Armstrong County, Lesley, J. P.  
Mines of Lehigh Zinc Company, Drinker.  
Iron ores of South Mountain, Lesley, J. P.  
Iron ore of Bucks County, Lesley, J. P.; Trego.  
Structure and erosion of Brush Mountain, Lesley, J. P.  
Hematite of South Mountain, Harden, J. W.  
Hematite in Morrison Cove, Lesley, J. P.
1874. Upper coal measures west of the Alleghanies, Stevenson.  
Gardner oil wells, East Shamburg, Hall, J.  
Alleghany coal fields, Whittlesey.  
Circles of deposition, Newberry.  
Thin sections of Paleozoic and Mesozoic rocks, Frazer.  
Map of coal fields of the United States, Hitchcock, C. H.  
Steinkohlen der Vereinigten Staaten, Macfarlane.
1875. Structures of York Valley limestones, Frazer.

**Pennsylvania—Continued.**

1875. Thin sections of traps, Frazer.  
Section from Alleghany Mountain to Brush Valley, Fagen and Young.  
Geologic chart of the United States, Bradley, F. H.  
Coal and oil measures in Lawrence County, Lesley and Lequeureux.  
Character of slates at outcrop, Frazer.  
Triassic of York County, Frazer.  
Comparative geology of north-eastern Ohio, northwestern Pennsylvania, and western New York, Lesley, J. P.  
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Hematite of eastern United States, Hunt, T. S.  
Comparison of Alleghany coal fields, Andrews.  
Minerals of southwestern Pennsylvania, Perkins.  
Report on iron ranges of Lehigh County, Primo.  
Hematite deposits of the Great Valley, Prime.  
Report on Venango oil district, Carll.  
Report in Clearfield and Jefferson coal district, Platt, F.  
Geology around Warren, Randall.  
Hydro-geology, Frazer.  
Report of laboratory of survey of Pennsylvania, McCreath.  
Section of oil wells, Butler, Armstrong, and Clarion counties, Lucas.  
Geography and geology of petroleum, Wrigley.  
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Weathering of trap, Frazer.  
Durability of natural gas supply, Platt, F.  
Boyd's Hill gas well, Lesley, J. P.  
Fish remains in Mesozoic shales, Leidy.  
Coal measures of the Youghiogheny, etc., Platt, F.



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 Glaciation along Kittatinny Mountain, Hall, C. E.  
 Origin of limonites of York and Adams counties, Frazer.  
 Traps of York and Adams counties, Frazer.  
 Structure of Ohio coal fields, Whittlesey.  
 Structure of southeastern Pennsylvania, Lesley, J. P.  
 Upper coal, Virginia and Pennsylvania, White, I. C.  
 Beaver County south from Ohio River, White, I. C.  
 Sections of traps, Frazer.  
 Notes on Paleozoic limestone, Frazer.  
 Glacial deposits at west Philadelphia, Hall, C. E.; Lesley, J. P.  
 Anthracite of Pennsylvania, Hardman.  
 Geology of northwestern Pennsylvania, Lesley, J. P.  
 Report on coal fields of Greene and Washington counties, Stevenson.  
 Alleged parallelism of coal beds, Stevenson.  
 Evidence of streams during deposition of coal, Blandy.  
 Hematite on Huntingdon and Center counties, Lesley, J. P.  
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 Somerset County coal beds, Fulton, J.  
 Review of fossil flora of North America, Lesquereux.  
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 Geology of oil regions of the United States, Newberry.  
 Report on York and Adams counties, Frazer.

**Pennsylvania—Continued.**

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 Position of New Red sandstone, Frazer.  
 Clays and gravels underlying Philadelphia, Blodget.  
 Oil records and levels, Carll.  
 On some Mesozoic ores, Frazer.  
 Oil wells of western Pennsylvania, Nettleton.  
 Iron ores of York County, Frazer.  
 Igneous rocks of York County, Frazer.  
 Report on York, Adams, Cumberland, and Franklin counties, Frazer.  
 Map of Pennsylvania, Lesley, J. P.  
 Coal regions of America, Macfarlane, J.  
 Cambria and Somerset district coal fields of western Pennsylvania, Platt and Platt, Lesley, J. P.  
 Hudson and Utica slates of Pennsylvania, Frazer.  
 Rocks near Philadelphia, Rand.  
 Section of Paleozoics of central Pennsylvania, Ashburner.  
 Geology of eastern Pennsylvania, Hunt, T. S.  
 Oil-well records of Pennsylvania, Lesley, J. P.  
 Report on Fayette and Westmoreland coal fields, Stevenson.  
 York County iron ore, Frazer.  
 1878. Aughwick Valley and east Broadtop district, Ashburner.  
 Bradford and Tioga counties, Platt, F.; Lesley, J. P.  
 Dikes and Azoic of southeastern Pennsylvania, Hunt, T. S.; Lesley, J. P.  
 Analyses of limestones in Cumberland County, Lesley, J. P.  
 Report in Beaver River coal district, White, I. C.; Lesley, J. P.  
 Trap dike through Lancaster County, Frazer.  
 Hyner's Station oil section, Clinton County, Chance.  
 Fossil ore of Juniata district, Dewees, Lesley, J. P.

**Pennsylvania—Continued.**

1878. Eozoic rocks of North America, Hunt, T. S.  
 Paleozoic of Lehigh and Northampton County, Prime.  
 Overturned anticlinals near Allentown, Prime.  
 Measured section of Paleozoic rocks between Lock Haven and Farrandville, Clinton County, Chance.  
 Catalogue of rock specimens, survey of Pennsylvania, Hall, C. E.  
 Section in Lancaster County, Frazer.  
 Upper Devonian of southwestern Pennsylvania, Stevenson.  
 Silurian fossils in eastern Pennsylvania, Prime.  
 Terrace levels in Pennsylvania, Lesley, J. P.  
 Hematites of Lehigh County, Prime.  
 Martie anticlinal, and on ripple marks, Frazer.  
 Petroleum and other hydrocarbons, Broadhead.  
 Report on Indiana County, Platt, W. G.; Lesley, J. P.  
 Surface geology of southeastern Pennsylvania, Stevenson.  
 Limits of Catskill and Chemung formations, Sherwood, A.  
 Section of Paleozoic rocks in Blair County, Platt and Sanders.  
 1879. Geology of Lawrence County, White, I. C.; Lesley, J. P.  
 Northern townships of Butler County, survey along Beaver and Shenango rivers, Chance.  
 Correlation of coal measures of Pennsylvania and Ohio, White, I. C.  
 Serpentine and steatite in Delaware County, Rand.  
 Southern limit of last glacial drift across New Jersey, etc., Cook.  
 North American Mesozoic and Cenozoic, Miller, S. A.  
 Classification of coals, Lesley, J. P.  
 Second report of laboratory of survey of Pennsylvania, McCreath.

**Pennsylvania—Continued.**

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 Terminal moraine of North American ice sheet, Upham.  
 Mesozoic sandstone of the Atlantic Slope, Frazer.  
 Clays and clay slates of York, Adams, and Lancaster Counties, Frazer.  
 Bradford oil district, Ashburner.  
 Notes on analyses of dolomites of Cumberland County, Lesley, J. P.  
 Geology of South Mountain, Frazer.  
 Origin of clays, Hunt, T. S.  
 Lake Superior copper rocks in Pennsylvania, Blandy, Hunt, T. S.  
 1880. Drift of Northampton County, Prime.  
 Gravels of southeastern Pennsylvania, Lesley, J. P.  
 Character of Sullivan County coals, Platt, F.  
 Geology of Mercer County, White, I. C.; Lesley, J. P.  
 Coal fields of Potter County, Platt, F.  
 Geology of Potter County, Sherwood, A.; Lesley, J. P.  
 Lycoming and Sullivan counties, Sherwood and Platt.  
 Characteristics of a trap at Williams Point, Frazer.  
 Zinc mines, Lancaster County, Spilsbury.  
 Reconnaissance from Poulet to Sharon, Ashburner.  
 Geology of Lancaster County, Frazer.  
 Queens Run coal basin, Platt, F.  
 Geology of oil regions, Carll.  
 Hudson fossil in slate in Maryland, Lesley, J. P.  
 Report on Armstrong County, Platt, W. G.; Lesley, J. P.  
 Geology of Clarion County, Chance.  
 Structure of Chicques rock, Frazer.  
 Well in Westmoreland County, Lesley, J. P.  
 Geologic action of humus acids, Julien.

**Pennsylvania—Continued.**

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 Geology of McKean County, Ashburner.  
 Relations of crystallines of eastern Pennsylvania, Hall, C. E.  
 Review of stratigraphy of eastern Ohio, Orton.  
 Special survey of sub-Carboniferous, Chance.  
 Surface geology of southwestern Pennsylvania, Stevenson.  
 Pre-Glacial channels of Alleghany and Clarion rivers, Lesley, J. P.  
 Fossils in Peach Bottom slates, Lesley, J. P.; Frazer.  
 Tangascootac coal basin, Platt, F.  
 Bradford oil sand, Ashburner.  
 Fossils in quartzose rocks of the lower Susquehanna, Frazer.  
 Permian flora, Pennsylvania and West Virginia, Fontaine and White.  
 Coal, Shaefer, P. W.  
 Analyses of limestones, Cumberland County, Lesley, J. P.  
 Geology of Clinton County, Chance, Lesley, J. P.  
 Well records in McKean and Elk counties, Ashburner.
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 Third report of laboratory of survey of Pennsylvania, McCreath.  
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 Serpentine in Radnor Township, Rand.  
 On philadelphite, Lewis, H. C.  
 Potsdam in Montgomery County, Rand.  
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 Map of Mahanoy and Shenandoah basins, Ashburner.  
 Peculiar stratification in gneiss near Philadelphia, Rand.  
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 Serpentine in Bucks County, Lewis, H. C.  
 Graphite of Chester County, Frazer.

**Pennsylvania—Continued.**

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 How anthracite lies in the rocks, Platt, F.  
 Bone caves of Pennsylvania, Leidy.  
 Report on geology of Philadelphia County, etc., Hall, C. E.; Lesley, J. P.  
 Antiquity of man in the East, geologically considered, Lewis, H. C.  
 Iron ores of Brandon period, Lewis, H. C.  
 Geology of Erie and Crawford counties, White, I. C.; Lesley, J. P.  
 Serpentine of Delaware county, Rand.  
 Surface geology of Philadelphia and vicinity, Lewis, H. C.  
 Susquehanna and Wayne counties, White, I. C.  
 Construction of cross sections, Chance.  
 Change of serpentine into quartz, Rand.  
 Taconic system in geology, Hunt, T. S.  
 Action of frost in superficial material, Kerr.  
 Influence of structure on history, Bechdolt.  
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 Potsdam on South Valley hill, Lewis, H. C.  
 Millstone grit in England and Pennsylvania, Chance.
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 Geology of Pike and Monroe counties, White, I. C.; Lesley, J. P.  
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 Notes on Cumberland and Potomac coal basin, Lesley, Jones, H. N.

**Pennsylvania—Continued.**

1882. Models of parts of central Pennsylvania, Lesley, J. P.  
 Geologic map of Wyoming County, Sherwood, A.  
 Survey of Lehigh Gap, Chance.  
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*Bull.* 127—47

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**Petrography—Continued.**

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**Petrography—Continued.**

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**Petrography—Continued.**

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**Petrography—Continued.**

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**Petrography—Continued.**

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**Petrography—Continued.**

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 Report on northern Cape Breton, Fletcher.

**Petrography—Continued.**

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**Petrography—Continued.**

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 Origin of schists, etc., of Penokee-Gogebic series, Van Hise.  
 Archean of Northwest, Irving, R. D.  
 Delaware gabbros, etc., Chester.  
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 Holyoke trap, Emerson.  
 Montana eruptives, Lindgren.  
 Penokee-Gogebic rocks, Van Hise.  
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**Petrography—Continued.**

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 Building stones, California, Jackson, A. W.  
 Lithology of wall rocks, Atwood. Mono County, Whiting.  
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 Diabase dikes of Rainy Lake, Lawson.  
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 Huronian near Sudbury, Bonney  
 Michipicoten Bay, Herrick. Tight and Jones.

**Petrography—Continued.**

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 Paramorphic origin of certain minerals, Cross.  
 Phonolite from Colorado, Cross.  
 Enlargement of angites in peridotites from Little Deer Island, Me., Merrill, G. P.  
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 Dike of diabase in Boston basin, Hobbs.  
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 Some norites and gabbros, Herrick, Clarke and Deming.  
 Spotted rocks from Pigeon Point, Bayley.  
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 Report, California division, Becker.  
 Contact metamorphism produced by Cortland series, Williams, G. H.  
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**Pleistocene—Continued.****NEW ENGLAND—Continued.**

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1864. Address, Natural History Society of Montreal, Dawson, J. W.  
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 Remarks on geology of Middleton, Mass., Gregory.
1865. Potholes near Poultney, Vt., Nichols, J. A.  
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1867. Ancient glaciers in White Mountains, Vose.

**Pleistocene—Continued.****NEW ENGLAND—Continued.**

1867. Glacial movements in valley of St. Lawrence, Whittlesey.  
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1869. Recent shales at great depth below Fort Warren, Niles.  
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1870. Raised beach at Marblehead, Mass., Hyatt.  
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Landslide on Mount Passaconaway, Perkins, G. H.  
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1871. Geology of Orleans County, Vt., Hall, S. R.  
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Moraines near Watertown, Mass., Shaler, Niles.

**Pleistocene—Continued.****NEW ENGLAND—Continued.**

1871. Position and height of plateau in which New England glaciers originated, Dana, J. D.  
Connecticut glacier, Dana, J. D.  
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1872. Phosphate beds in South Carolina, Packard.  
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Notes on Jackson, Bartlett, Conway, and Tamworth, N. H., Vose.  
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1874. Movements of rocks at Monson, Mass., Niles.  
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1874. Scenery of Coos County, N. H., Huntington.  
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1876. Glacial action on summit of Mount Washington, Hitchcock, C. H.  
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1877. Connecticut Valley during Champlain and terrace period, Upham.  
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**Pleistocene—Continued.****NEW ENGLAND—Continued.**

1877. Note on the Glacial era, Dana, J. D.  
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1878. Modified drift in New Hampshire, Upham.  
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 Richmond boulder trains, Benton.  
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1879. Terminal moraines of North American ice sheet, Upham.  
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1880. Geology of eastern Massachusetts, Crosby.  
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1881. Kames of Maine, Stone.  
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1882. North America in the Ice age, Hitchcock, C. H.  
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1883. Evidence from southern New England against iceberg theory of drift, Dana, J. D.

**Pleistocene—Continued.****NEW ENGLAND—Continued.**

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1884. Singing beach of Manchester, Julien.  
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**Pleistocene—Continued.****NEW ENGLAND—Continued.**

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**Pleistocene—Continued.****NEW ENGLAND—Continued.**

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- Kaolin in Blandford, Mass., Crosby.
- Gay Head, Merrill, F. J. H.
- Glacial scratches near Norfolk, Conn., Cornish.
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- Evidence of till on Glacial climate, Crosby.
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**Pleistocene—Continued.****NEW ENGLAND—Continued.**

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**NEW YORK.**

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**Pleistocene—Continued.****NEW YORK—Continued.**

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 1831. Ancient drainage and origin of Niagara Falls, Featherstonhaugh.  
 1832. Geology of the Highlands of New York, Mather.  
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 1833. Facts relating to diluvial action, New York, Thompson, W. A.  
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## Pleistocene—Continued.

## NEW YORK—Continued.

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## Pleistocene—Continued.

## NEW YORK—Continued.

1843. Polishing of rocks, and parallel valleys, Rogers, H. D.  
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 Explanation of sections at Portage, Hall, J.  
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1846. Agriculture of New York, Emmons, E.
1847. Ancient sea margins, Chambers.  
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**Pleistocene—Continued.****NEW YORK—Continued.**

1847. Geologic position of *Casteroides Ohionensis*, Hall, J.
1848. *Casteroides* at Clyde, N. Y., Hall, J.  
Terrain erratique de l'Amérique du Nord, Desor.  
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1849. Geological action of tides, Redfield.  
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1850. Survey of county of Washington, Fitch.  
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Survey of Seneca County, Delafield.  
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1851. Terrain erratique des États-Unis, Boucheperon.  
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1852. Survey of county of Essex, Watson.  
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1853. Ueber Niagara Falls, Desor.
1854. Drift of Brooklyn, Desor, Redfield.
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1857. Remarks on Niagara Falls, Geddes, Hall, J.  
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**Pleistocene—Continued.****NEW YORK—Continued.**

1857. Subsidence on New Jersey and Long Island, Cook.  
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1861. Subpeat deposits of Diatomacea, Edwards.  
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1862. Survey of county of Orange, Denniston.
1863. Mohawk Valley glacier, Dana, J. D.
1864. Address, Natural History Society of Montreal, Dawson, J. W.
1865. Skizze der Umgegend von New York, Credner.  
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1866. Subsidence of land at Coxsackie, N. Y., Dwight, W. B.  
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1867. Post-Pliocene on Gardiners Island, N. Y., Smith, S. I.  
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1868. Relations of mastodon and elephant in America, Hall, J.
1869. Rock ruins, Niagara Falls, Hyatt.

**Pleistocene—Continued.****NEW YORK—Continued.**

1869. Remains of man in deposits at Saratoga, McGuire.  
Coast depression of Long Island, Lewis, E.
1871. Position and height of plateau in which New England glaciers originated, Dana, J. D.  
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1872. Niagara, its history, geology, etc., Holley, G. W.  
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1873. Trains of boulders and transportation of boulders, Reed.  
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1874. Future of Niagara, Holley, G. W.
1875. Boulders near Batavia, Fargo.  
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1876. Formation of lakes, Russell, I. C.  
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1877. Valleys of southern Long Island, Lewis, E.  
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**Pleistocene—Continued.****NEW YORK—Continued.**

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1882. Potholes near Williamsbridge, Britton, N. L.  
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*Bull.* 127—49

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## Pleistocene—Continued.

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1867. Fresh-water glacial drift of the Northwest, Whittlesey.
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AND TENNESSEE—Continued.

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Randolph, St. Clair, Madison, and Hancock counties, Ill., Worthen.  
Introduction to paleontology, Illinois, Meek and Worthen.  
Origin of the prairies, Lesqueux.
1867. Fresh-water Glacial drift of the Northwest, Whittlesey.  
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Glacial movements, Whittlesey.  
On Andrews on the Glacial drift, Hilgard.
1868. Loess and drift of Missouri and Illinois, Holmes, N.  
Cook County, Ill., Bannister, H. M.  
Alexander, Union, Jackson, and Perry counties, Ill., Worthen and Engelmann.  
Jersey, Greene, and Scott counties, Ill., Worthen.  
Washington, Clinton, Marion, and Jefferson counties, Ill., Engelmann.  
Lasalle County, Ill., Freeman.
1869. American fossiliferous strata, Conrad.  
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Old lake beds of prairie region, Wallace, S. J.  
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Geology of Vermilion County, Ind., Bradley, F. H.  
Geology of Franklin County, Ind., Haymond.
1870. Dekalb, Kane, Logan, and other counties, Illinois, Bannister.  
Henderson, Warren, Mercer, Knox, Stark, and Woodford counties, Ill., Green, H. A.

**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1870. Peat beneath drift in southwestern Ohio, Orton, E.  
Calhoun, Pike, Adams, Brown, Schnyler, and Fulton counties, Ill., Worthen.  
Grundy, Will, Kankakee, Iroquois, Vermilion, Champaign, Edgar, and Ford counties, Ill., Bradley, F. H.
1871. Geology of Highland County, Ohio, Orton, E.  
Geology of Geauga and Holmes counties, Ohio, Read, M. C.  
Glacial phenomena of Maumee Valley, Ohio, Gilbert, G. K.  
Geological history of Gulf of Mexico, Owen, R.  
Report on coal district, 1870, Ohio, Andrews, E. B.  
Geology of Sullivan County, Ind., Collett.  
Report on second district of Ohio, Andrews, E. B.  
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Agricultural survey of Ohio, Klippart.  
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1872. Geology of Dubois and Pike counties, Ind., Collett.  
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Reconnaissance from Jasper to Howard counties, Ind., Collett.  
Past and future of Niagara, Gunning.  
Changes of climate during Glacial period, Geikie.  
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**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

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Northwest counties of Illinois, Shaw.  
Report on second district of Ohio, Andrews, E. B.  
Report on third district of Ohio, Orton, E.  
Rock Island County, Ill., Worthen and Shaw.  
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Surface geology of northwestern Ohio, Winchell, N. H.  
Geology of Warren, Lawrence, Knox, and Gibson counties, Ind., Collett.  
Survey of Clarke and Floyd counties, Ind., Borden.  
Observations in Dekalb, Laporte, and other counties, Levette.
1874. Report on second district of Ohio, Andrews, E. B.  
Resources of Tennessee, Killebrew.  
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Geology of Ottawa to Defiance counties, Ohio, Winchell, N. H.  
Vegetation of the drift, Newberry.  
Position of the mastodon, Newberry.  
Erie and Lorain counties, Ohio, Newberry.  
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1875. Discovery of Decotyles compressus, Klippart.  
Surface geology of Ohio, by Newberry, Dana, J. D.  
Livingston County, Ill., Freeman, H. L.

*Bull.* 127—50

**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1875. Scott and Jefferson counties, Ind., Borden.  
Bond, Fayette, and other counties, Illinois, Broadhead.  
Geology of Brown County, Ind., Collett.  
Report on White, Clay, Cumberland, Cole, Douglas, Williams, and Franklin counties, Ill., Worthen.  
Gallatin and Saline counties, Ill., Cox, E. T.  
Sixth report of survey of Indiana, Cox, E. T.  
Jackson County, Ind., Cox, E. T.
1876. Reconnaissance in lead region, Kentucky, Norwood.  
Antiquity of caverns and cavern life, Ohio Valley, Shaller.  
Observation on lakes of northern Indiana, Levette.  
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Report on counties of Indiana, Collett.  
Tennessee, agriculture, mineral wealth, etc., Killebrew.  
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Reconnaissance of Putnam County, Ind., Collett.  
Vegetal remains in drift of the Northwest, Winchell, N. H.
1877. Topography and geology of Nashville, Safford.  
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American surface geology, Wood, S. V.
1878. Geology of Brown County, Ohio, Herzer.  
Ashland, Wayne, and Holmes counties, Ohio, Read, M. C.  
Geology of Franklin County, Ohio, Orton, E.  
Geology of Warren, Butler, Preble, and Madison counties, Ohio, Orton, E.

**Pleistocene—Continued.**OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1878. Perry and parts of Hocking and
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- 
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Geologic structure of Ohio, New-  
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Ohio, Newberry.Clinton, Fayette, Shelby, and Mi-  
ami counties, Ohio, Hussey.Chemical report, survey of Ken-  
tucky, Peter.Geology of Medina County,  
Ohio, Wheat.Geology of Coshocton County,  
Ohio, Hodge, J. T.Geology of Darke County, Ohio,  
Lindemuth.Geology of Huron, Richland,  
Knox, and Licking counties,  
Ohio, Read.Geology of Carroll and other  
counties, Ohio, Stevenson.Logan and Champaign counties,  
Ohio, Hill, F. C.

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Guide, Kentucky, Procter.Macfarlane's Geological Railroad  
Guide, Ohio, Newberry.Macfarlane's Geological Railroad  
Guide, Tennessee, Safford.

1880. Geology of Monroe County, Ind.,
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- Greene, G. M.

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1882. Correlation of eastern and west-
- 
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- berlin, T. C.

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Collett.Geology, mines and quarries, In-  
diana, Collett.**Pleistocene—Continued.**OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

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- Ind., Brown, R. T.

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Sutton.Glacial phenomena of North  
America and man on the Dela-  
ware, Wright, G. F.Geology of Delaware County,  
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basins of Lakes Erie and On-  
tario, Claypole.Geology of Bartholomew County,  
Ind., Elrod.

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and Indiana, Warder.Terminal moraine of eastern  
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Lesley, J. P.Southern boundary of glaciation  
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Coulter.Section on Rock River, from Ore-  
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Elrod.Geology of Jay County, Ind.,  
McCaslin.Glacial phenomena in Boyd  
County, Ky., Wright, G. F.Origin of the Great Lakes, New-  
berry.Fluvial deposits in Peoria  
Lake, Ill., Wilson, J. D.

**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1883. Glacial boundary, Wright, G. F.  
Well at Moline, Ill., Pratt.  
Geology of Randolph County,  
Ind., Phinney.
1884. Lower coal measures of Ohio,  
Orton, E.  
Glacial boundary in Ohio,  
Indiana, and Kentucky,  
Wright, G. F.  
Glacial boundary in Ohio,  
Wright, G. F.  
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Wright, G. F.  
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Wright, G. F.  
Organisms in boulder clays of  
Chicago, Johnson, H. A., and  
Thomas, B. W.  
Topographic phenomena in In-  
diana, Campbell, J. T.  
Survey of Union County, Ind.,  
Elrod.  
Glaciation in Ohio, Whittlesey.  
Survey of Fayette County, Ind.,  
Elrod.  
Some Indian glaciology, Coulter.  
Geology of Grant County, Ind.,  
Phinney.  
Gorges and waterfalls, Davis,  
W. M.  
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department of geology, Collett.  
Geology of Johnson County, Ind.,  
McCaslin.  
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counties, Ind., Brown, R. T.  
Report of chemical department,  
survey of Ohio, Lord.  
Geology of Rush County, Ind.,  
Elrod.  
Character of outer border of  
drift, Chamberlin, T. C.  
Hillocks of angular gravel and  
disturbed stratification, Cham-  
berlin, T. C.  
Clays of Ohio, Orton, E.  
Geology of Morgan County, Ind.,  
Brown, R. T.  
Bearing of glacial grooves and  
striae in Ohio, Whittlesey.  
The Post-Pliocene of America,  
Cope.

**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1884. Physio-geographic and agricul-  
tural features of Tennessee,  
Safford.  
Drift of Indiana, Newberry.  
Drift of Illinois, McAdams.  
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Boulder clays of Chicago, John-  
son and Thomas.
1885. Chemical analyses, survey of  
Kentucky, Peter and Peter.  
Driftless area, Chamberlin and  
Salisbury.  
Microstructure of certain boulder  
clays, Dawson, G. M.  
Glacial origin of Presque Isle,  
Ingersoll.
1886. Hancock County, Ind., Brown,  
R. T.  
Boone County, Ind., Gorby and  
Lee.  
Geology of Cincinnati, James,  
J. F.  
Inventory of Glacial drift, Cham-  
berlin, T. C.  
Henry and other counties, In-  
diana, Phinney.  
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diana, report, Thompson, M.  
Lake Maxinkuckee, Thompson  
and Lee.  
Quaternary of Illinois, Worthen.
1887. Boulders along Appalachian  
rivers, White, I. C.  
Lake age in Ohio, Claypole.  
Loess and clay analyses, Riggs.  
Peoria County, Ill., Chapinan.  
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Procter.
1888. Age of Ohio gravel beds, Wright,  
G. F.  
Ancient channel of the Ohio at  
Cincinnati, James, J. F.  
Drift of Ohio, Orton, E.  
Drift in the vicinity of Cincin-  
nati, Burke.  
Ivorydale well, Ohio, James, J. F.  
Subterranean commotion near  
Akron, Ohio, Claypole.  
Erosion in Indiana, Scovell.  
Jackson purchase region, Lough-  
ridge.



**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1888. Report—division of Glacial geology, United States Geological Survey, Chamberlin, T. C.
1889. Forest bed beneath intermorainic drift, Leverett.  
Glacial phenomena in northeastern Illinois and Indiana, Leverett.  
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Glacial phenomena in northern Indiana, Leverett.  
Implement in drift, Cresson, Wright, G. F.  
Origin of loess, Campbell.  
Terminal moraine near Louisville, Bryson.  
Mason County, Ky., Linney.  
Central basin of Tennessee, Kennedy.
1890. Glacial phenomena of northern Illinois and Indiana, Leverett.  
Climate indicated by interglacial beds, Leverett.  
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Orange sand formations, McGee, Procter.  
Vivianite, Kentucky, Dudley.  
Wetwoods, Bryson.  
Ice age in North America, Davis, W. M.  
History of upper Ohio region, White, I. C.  
Pre-Glacial channels at Falls of the Ohio, Bryson.  
Interval between Glacial epochs, Chamberlin, T. C.  
Boulder belt and boulder trains, Chamberlin, T. C.  
Warren's Geography, Brewer.  
Macfarlane's Railway Guide, Chamberlin, Collett, Lesley, Orton, Procter, Safford, White, I. C.; Worthen, Wright, G. F.  
Lake ridges of Ohio, Wright, G. F.  
Disposition of bowlders, Wright, G. F.  
Introduction—Glacial boundary by Wright, Chamberlin, T. C.  
Lake Michigan glacier and channels, Guthrie.  
Drift deposits of Illinois, Worthen.

**Pleistocene—Continued.**

OHIO, INDIANA, ILLINOIS, KENTUCKY,  
AND TENNESSEE—Continued.

1890. Economical geology, Illinois, Worthen.
1891. History of Ohio River, James, J. F.  
Flood plains and the mound builders, Peet.  
Man and the Glacial period, Wright, G. F.  
Natural and artificial terraces, Ohio, Peet.  
Map of Kentucky, Procter.  
Age of orange sands [Illinois], Salisbury.  
A second driftless area in the Mississippi Valley, Salisbury.  
Artesian wells of Memphis, Tenn., Safford.  
Striae and slickensides at Alton, Ill., Todd.  
Criteria of englacial and subglacial drift, Upham.  
Glacial grooves on Kelleys Island, Wright, G. F.  
Relationship of Pleistocene to pre-Pleistocene formations south of limit of glaciation, Chamberlin and Salisbury.  
Extension of pre-Pleistocene gravels in basin of the Mississippi, Salisbury.  
Orangesand, Lagrange and Appomattox, Hilgard.  
Cincinnati ice dam, Chamberlin, T. C., Leverett, Spencer, J. W.  
Deep boring near Akron, Ohio, Clappole.  
Megalonyx in Holmes County, Ohio, Clappole.  
Attitude of United States during Glacial period, Chamberlin, T. C.  
Review of Quaternary, Upham.
- MINNESOTA, WISCONSIN, MICHIGAN.
1821. Travels through the Northwest, Schoolcraft.  
Observations on northwest portion of Lake Huron, Bigsby.
1824. Expedition to sources of St. Peters River, Keating.  
Notes on Lake Huron, Bigsby.
1826. Notice of Michigan, topography, etc., Pierce.
1829. Geology of Lake Superior, Bayfield.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1834. Expedition to Itasca Lake, Schoolcraft.  
Expedition to northwestern Indiana, Allen and Schoolcraft.
1836. Region around Fort Winnebago, Wis., Ruggles.  
Reconnaissance from Washington to Coteau des Prairies, Featherstonhaugh.
1838. Report of State geologist of Michigan, 1837, Houghton.
1839. Report on Wayne and Monroe counties, Mich., Hubbard, B.  
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1840. Lenawee, Hillsdale, and other counties, Michigan, Hubbard, B.  
Third report of State geologist of Michigan, Houghton.  
Jackson, Calhoun, and other counties, Michigan, Douglass, C. C.  
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Journey to Coteau des Prairies; pipestone quarry and granite boulders, Catlin.
1841. Boulders and scratches, Mather.  
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Northern part of lower peninsula of Michigan, Douglass.
1842. Sand storms, and beds about the lakes, Schoolcraft.
1843. Geology of New York, first district, Mather.  
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1845. Excavation by recession of cataraacts, Featherstonhaugh.
1846. District south of Lake Superior, Burt and Hubbard.  
Observations on magnetic dip, Locke.
1847. Report of survey of Wisconsin and Iowa, Owen, D. D.  
Boulder of copper on southern shore of Lake Superior, Shepherd, F.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1847. Lacustrine deposits in vicinity of the Great Lakes, Lapham.  
Drift furrows, etc., of rocks of Lake Superior, Shepherd, F.
1848. Statistics of coal, Taylor, R. C.  
Reconnaissance of Chippewa district of Wisconsin, etc., Owen, D. D.; Norwood.
1849. Terraces, bars, drift, and polished surfaces of Lake Superior, Agassiz, L.
1850. Lake Superior, Agassiz, L.  
Erratic phenomena about Lake Superior, Agassiz.  
Territory of the Minnesota, Pope, John.
1851. Beaches of Lake Michigan, Whittlesey.  
Terraces of Lake Erie, Desor.  
Clay and drift near Lake Superior, Desor.  
Swamps bordering the Western rivers, Desor.  
Section from Wolf River to Lake Michigan, Whittlesey.  
Geology of Lake Superior land district, iron region, Foster and Whitney.  
Superficial drifts of Northwestern States, Whittlesey.  
Wells in red clay of Green Bay, Mich., Whittlesey.  
Superficial deposits, Lake Superior land district, Desor.
1852. Drift of Northern and Western States, Whittlesey.  
Survey of Wisconsin, Iowa, Minnesota, etc., Owen, D. D.  
Report on valleys of Minnesota, Mississippi, and Wisconsin rivers, Shumard, B. F.  
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Geology of middle and western Minnesota, Norwood.
1854. Drift etchings, Lake Superior, Whittlesey.  
Origin of drift of Lake Superior, etc., Desor.  
First report on survey of Wisconsin, Daniels.  
Dunes on shores of the lakes, Desor.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1854. Map of Wisconsin, Iowa, and Minnesota, Owen, D. D.  
Expedition to sources of the Mississippi in 1832, Schoolcraft.
1855. Submerged forest at Fort Lawrence, Dawson, J. W.  
Survey of Wisconsin, Percival.  
Shell marls of Michigan, Winchell, A.
1856. Second report on survey of Wisconsin, Percival.
1858. Report on survey of Wisconsin for 1857, Daniels.  
Geology of North America, Marcou, J.
1859. Copper district of the Thessalon, etc., Murray, A.
1860. Drift cavities of Wisconsin, Whittlesey.
1861. First biennial report of survey of Michigan, Winchell, A.
1862. Report on survey of Wisconsin, Hall and Whitney.  
Origin of certain lakes, Ramsey.
1863. Geology, etc., of the Upper Mississippi, Hayden.
1865. Northward transportation of drift in lower Michigan, Winchell, A.  
Surface geology of basins of the Great Lakes, Newberry.  
Report of geologist of Minnesota, Hanchett.  
Iron ores of Marquette, Mich., Kimball.
1866. Notes on Wisconsin drift, Bliss.  
Geology of the lead region, Whitney, J. D.  
Geology and minerals of Minnesota, Whittlesey.  
Report on Grand Traverse region, Winchell, A.  
Reconnaissance in Minnesota, Eames.
1867. Ice movements in valley of St. Lawrence, Whittlesey.  
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1868. Structure of southern Minnesota, Hall, J.
1869. Geology of portions of Minnesota, Hall, J.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1869. Certain physical features of Upper Mississippi River, Warren, G. K.
1870. Recent changes in northeastern Wisconsin, Stuntz.
1871. Notizen aus Minnesota, Kloos.  
Glacial features of Green Bay, Lake Michigan, Winchell, N. H.  
Surface geology of Great Lakes and Mississippi Valley, Newberry.  
Native copper of Lake Superior, Henwood.  
Did a glacier flow from Lake Huron into Lake Erie, Stroop.  
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General geology of Michigan, Winchell, A.
1872. Ancient lakes of Wisconsin, Knapp.  
Cretaceous basin in Sauk Valley, Minnesota, Kloos.  
Survey of vicinity of Belleplaine, Winchell, A.  
Region about Devils Lake, Wis., Eaton, J. H.
1873. Drift of the Northwest, Winchell, N. H.  
Thunder Bay and Shabendowan districts, Lake Superior, Nicholson.  
General sketch of geology of Minnesota, Winchell, N. H.  
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1874. Peat in Minnesota, Winchell, N. H.  
Ancient drainage of Lake Winipeg, Warren, G. K.  
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Belleplaine salt well, Minnesota, Winchell, N. H.  
Points in southern Wisconsin, Irving, R. D.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1874. Origin and structure of the Great Lakes, Newberry.
1875. Superficial geology of central North America, Dawson, J. W.  
Valley of Minnesota River, Warren, G. K.  
Deep well at Minneapolis, Winchell, N. H.  
Report on Mower and other counties, Minnesota, Winchell, N. H.
1876. Physical geology of Lake Superior, Whittlesey.  
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Transportation routes in Wisconsin, Warren, G. K.  
Geology of lower peninsula, Michigan, Rominger.  
Rectification of geologic map of Michigan, Winchell, A.  
Report on Fillmore County, Minn., Winchell, N. H.  
Report on Olmsted, Dodge, and Steele counties, Minn., Harrington, M. W.
1877. On the Glacial epochs, Price, E. K.  
Geology of lead district, Wisconsin, Strong.  
Report of Wisconsin survey, 1873-74, Lapham, I. A.  
Geology of Hennepin County, Minn., Winchell, N. H.  
Geology of Houston County, Minn., Winchell, N. H.  
Geology of eastern Wisconsin, Chamberlin, T. C.  
Geology of central Wisconsin, Irving, R. D.  
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1878. Work in Penokee iron range, Irving, R. D.  
Work in north central Wisconsin, Clark, A. C.  
North of Lake Huron and east of Lake Superior, Bell, R.  
Pre-Glacial geology of Great Lakes region, Clappole.  
Report on Rice County, Minn., Sperry.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1878. Geology of Morrison County, Minn., Winchell, N. H.  
Recession of Falls of St. Anthony, Winchell, N. H.  
Geology of Ramsey County, Winchell, N. H.  
Driftless area of Wisconsin, Irving, R. D.  
Water supply of Red River valley, Winchell, N. H.  
Reconnaissances in Wright and Rice counties, Minn., Winchell, N. H.  
Work in St. Croix, Dunn, and adjacent counties, Wis., Wooster.  
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Copper series of upper St. Croix River, Chamberlin, T. C.  
Driftless interior of North America, Dana, J. D.  
Extent and significance of Wisconsin kettle moraine, Chamberlin, T. C.  
Geology of Rock and Pipestone counties, Minn., Winchell, N. H.  
The Ice age, Gratacap.  
Origin of the driftless area of the Northwest, Irving, R. D.
1879. Survey of Minnesota, 1878, Winchell, N. H.  
Field report on Lake Superior region, Hall, C. W.  
Macfarlane's Geological Railroad Guide, Wisconsin, Chamberlin, Irving and Strong.  
Macfarlane's Railroad Guide, Winchell, A.  
Macfarlane's Geological Railroad Guide, Minnesota, Winchell, N. H.  
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Has Lake Winnipeg discharged through the Minnesota, Todd.
1880. Report on central and western Minnesota, Upham.  
Geology of western Lake Superior district, Sweet, E. T.  
Cretaceous in Minnesota, Winchell, N. H.  
Geology of eastern Lake Superior district, Irving, R. D.

**Pleistocene—Continued.****MINNESOTA, WISCONSIN, MICHIGAN—Continued.**

1880. Le Kettle moraine, Chamberlin, T. C.  
 Geology of upper St. Croix district, Strong.  
 Resources of Wisconsin, Irving, R. D.  
 Huronian series west of Penokee Gap, Wright, C. E.
1881. Geology of Upper Mississippi Valley, Winchell, N. H.  
 Dall on Arctic ice and glaciation in Minnesota, Winchell, N. H.  
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 Menominee and Marquette iron region, Rominger.  
 Pre-Glacial formation of beds of the Great Lakes, Claypole.
1882. Ore deposits of southwestern Wisconsin, Chamberlin, T. C.  
 Southward discharge of Lake Winnipeg, Dana, J. D.  
 Crystallines of the Wisconsin Valley, Irving, Van Hise and Clark.  
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 Some points in region about Beloit, Wis., Sweezy.  
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1883. Terminal moraine of second Glacial period, Chamberlin, T. C.  
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1884. Geology of Minnesota, Winchell and Upham.  
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 Kames near Lansing, Mich., Wooster.  
 Recent changes in western Michigan, Woolbridge.  
 Gorges and waterfalls, Davis, W. M.  
 Drumlins, Davis, W. M.
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 Columnar structure in clay, Salisbury.

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## MINNESOTA, WISCONSIN, MICHIGAN—Continued.

1885. Archean of the Northwest, Irving, R. D.  
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Geology of Ann Arbor, Winchell, A.  
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1886. Glacial action on shore of Lake Superior, Crosier.  
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Inventory of Glacial drift, Chamberlin, T. C.  
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1887. Observations in Minnesota, Winchell, H. V.  
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1888. Report—division of Glacial geology, Chamberlin, T. C.  
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Geologic conditions for artesian wells, Hall, C. W.

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## MINNESOTA, WISCONSIN, MICHIGAN—Continued.

1889. Glacial moraines in Minnesota, Upham.  
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1890. Recent rock flexure in Wisconsin, Cramer.  
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Boulder belt and boulder trains, Chamberlin, T. C.  
Analysis of brick clay, Chatard.  
Deserted gorge near Minnehaha Falls, Grant, U. S.  
Lake Agassiz, Todd, Chamberlin, T. C.
1891. Hennepin County, Minn., Winchell, N. H.
- IOWA, MISSOURI, NEBRASKA, KANSAS REGION.
1837. Observation of banks of the Mississippi, Usher.
1843. Geology of New York, first district, Mather.
1846. Journal from Bent's Fort to St. Louis, Abert, J. W.
1851. Superficial deposits of the Northwest, Whittlesey.
1855. Geology of Marion and Cooper counties, Mo., Swallow.  
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1856. Iowa map, Parker, N. H.
1858. Report on survey of Iowa, Hall and Whitney.  
Explanation of geologic map and section of Missouri, Swallow.

**Pleistocene—Continued.****IOWA, MISSOURI, NEBRASKA, KANSAS  
REGION—Continued.**

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1864. Reconnaissance au Nebraska, Marcon, J.
1866. First report on geology of Kansas, Mudge.  
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1868. First and second reports on Iowa, White, C. A.  
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1869. Iowa drift, White, C. A.  
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1870. Middle region, etc., of western Iowa, St. John.

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REGION—Continued.**

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1871. Post-Tertiary history of Iowa, White, C. A.  
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1872. Paleontology of eastern Nebraska, Meek.  
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1873. Reports of surveys of Missouri, 1855-1871, Broadhead, Meek, Shumard, B. F.  
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1874. Report of survey of Missouri, Broadhead.  
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1875. Pliocene of western Kansas, Mudge.  
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1876. Drift and gold in Missouri, Broadhead.  
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1877. Tertiary and Cretaceous periods of Kansas, Mudge.  
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1878. Well at insane asylum, St. Louis, Mo., Broadhead.  
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Origin of ravines in the prairie, Sawyer, A.

**Pleistocene—Continued.**

- IOWA, MISSOURI, NEBRASKA, KANSAS  
REGION—Continued.
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Notes on Jackson County, Mo., Broadhead.  
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Glacial drift on residuary clays, McGee.
1880. Surface geology of southwestern Missouri and Kansas, Broadhead.  
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1882. Loess and associated deposits of Des Moines, McGee and Call.  
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1883. Section of bluff at East Davenport, Iowa, Pratt.  
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**Pleistocene—Continued.**

- IOWA, MISSOURI, NEBRASKA, KANSAS  
REGION—Continued.
1883. Carboniferous drift of East Davenport, Iowa, McWhorter.  
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1884. Agricultural description of Indian Territory, Loughridge.  
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**Pleistocene—Continued.****IOWA, MISSOURI, NEBRASKA, KANSAS  
REGION—Continued.**

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Southeastern Kansas, St. John.  
Volcanic dust, analysis, Clarke, F. W.  
Beaches and deltas of Lake Agassiz, Upham.  
Hummocks and bowlders of decomposition, Spencer, J. W.
1888. Macon County, Mo., McGee.  
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Geyserite, Hicks.  
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1889. Fossil plants and origin of prairies, Leiberg.  
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Continuance of Lake Cheyenne, Todd.  
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Terraces of the Missouri, Todd.

**Pleistocene—Continued.****IOWA, MISSOURI, NEBRASKA, KANSAS  
REGION—Continued.**

1889. Northwestern Kansas, Hay, R.  
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1890. Lake Winnipeg-Mississippi drainage, Mills.  
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Southeastern Kansas, Hay, R.  
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Outlet of Lake Agassiz, Chamberlin, T. C.  
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1891. Relationship of Pleistocene to pre-Pleistocene south of limits of glaciation, Chamberlin and Salisbury.  
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## Pleistocene—Continued.

IOWA, MISSOURI, NEBRASKA, KANSAS  
REGION—Continued.

1891. Boulder of copper in central Missouri, Kirkpatrick.  
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Glacial Lake Agassiz, Upham.

ROCKY MOUNTAIN TO GREAT BASIN  
REGION.

1829. Geologic features of part of Mexico, Maclure.  
1834. Letter from Mexico, Schleiden.  
1848. Reconnaissance from Leavenworth to San Diego, Emory.  
1854. Exploration between thirty-eighth and forty-first parallel in 1853-54, Schiel.  
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1855. Report on exploration between latitude 38 and 41 for route to the Pacific, Schiel.  
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1856. Reconnaissance from the Mississippi to Los Angeles, Cal., Marcou, J.  
Geology of route to Pacific near thirty-fifth parallel, Marcou, J., Blake, W. P.  
1857. Observations along Mexican boundary, Schott.  
Country along Mexican boundary from the Pacific to the Colorado, Emory.  
Geology of lower Colorado region, Schott.  
Report on routes to the Pacific in California and to the Rio Grande, Antisell.  
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1858. Fort Leavenworth to Bryan's Pass, Engelmann, H.  
Map and section of country on Missouri River, Hayden.  
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## Pleistocene—Continued.

ROCKY MOUNTAIN TO GREAT BASIN  
REGION—Continued.

1859. Geology from Fort Bridger to Camp Floyd, Utah, Engelmann, H.  
1861. Report on Colorado River, Newberry.  
Minerals of Rocky Mountain and extent of gold field, Blake, W. P.  
1863. Silver mines of Arizona, Pumphelly.  
1866. Gaylussite from Nevada, Silliman.  
1867. Survey of 100 miles west of Omaha, Eggleston.  
1868. Second annual report of survey, Wyoming, Hayden.  
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1869. Notes on Wyoming and Colorado, Hayden.  
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1871. Notes on Wyoming and Colorado, Hayden.  
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REGION—Continued.**

1872. Ancient lakes of America, Newberry.  
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1873. Geology of western Wyoming, Comstock.  
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Explorations in Yellowstone district, Bradley, F. H.  
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Report, Montana, Idaho, Wyoming, and Utah, Peale.
1874. Reconnaissance in Ute country, Prout, Hawn, F.; Hawn, L.  
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The great American desert, Poole.  
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Report on San Luis division, Colorado, Endlich.  
Preliminary report, surveys west of one hundredth meridian, Gilbert, G. K.  
Notes in geology along Union Pacific Railroad, Kneeland.  
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1875. Report on portions of New Mexico and Arizona surveyed in 1873, Gilbert, G. K.  
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**Pleistocene—Continued.****ROCKY MOUNTAIN TO GREAT BASIN  
REGION—Continued.**

1875. Valley of the Minnesota River, Warren, G. K.  
Recency of certain volcanoes of the West, Gilbert, G. K.  
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- Report on northwestern New Mexico, Cope.  
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Paleontology of reconnaissance of the Black Hills, Grinnell.  
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Reconnaissance in Black Hills, Winchell, N. H.  
Sand dunes of San Luis Valley, Ingersoll.  
Report on Utah, Nevada, Arizona, and New Mexico, Howell, E. E.
1876. New Tertiary lake basin, Grinnell and Dana, E. S.  
Uinta Mountains, Powell, J. W.  
Outlet of Great Salt Lake, Gilbert, G. K.  
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Maps of parts of California, Nevada, Arizona, Colorado, New Mexico, and Utah, Gilbert, Marvin and Howell.  
Supposed ancient outlet of Great Salt Lake, Packard, A. S.  
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Geology between Leavenworth and the Sierra Nevada, Engelmann, H.  
Report of surveys for 1874, Hayden.  
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Section between headwaters of Missouri and Yellowstone, Hayden.

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ROCKY MOUNTAIN TO GREAT BASIN  
REGION—Continued.

1876. Report of middle division of survey of Colorado, Peale.
1877. Work in Henry Mountains and on Lake Bonneville, Gilbert, G. K.  
Map of parts of Arizona and New Mexico, Gilbert, Howell and Loew.  
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- Report of southeast division, survey of Colorado, Endlich.
- Report on Grand River region, Peale.
- Results of surveys for 1875, Hayden.
- Field work in Teton region, St. John.
- Preliminary report of survey of the Territories, Hayden.
1878. Systematic geology of fortieth parallel survey, King, C.  
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Portion of northwestern Colorado, White, C. A.  
Preliminary report of survey of Territories, 1878, Hayden.  
Ancient outlet of Great Salt Lake, Peale, Gilbert, G. K.  
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1879. Obsidian in Yellowstone Park, Holmes, W. H.  
A peculiar cave in Utah, Lee, L. A.  
Report of operations in Colorado and New Mexico, Stevenson.  
Wanderings in the Western land, Vivian.  
Survey of the fortieth parallel, Newberry.  
Extinct volcanoes about Lake Mono, Le Conte.  
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Fossil shells from Colorado desert, Stearns.

## Pleistocene—Continued.

ROCKY MOUNTAIN TO GREAT BASIN  
REGION—Continued.

1879. Alkali in Bridger Valley, Wyo., Goldsmith, E.  
Report on paleontology, survey of Wyoming and Idaho, White, C. A.  
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1880. High plateaus of Utah, Dutton, Powell.  
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The great West, Hayden.  
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Outlet of Lake Bonneville, Gilbert, G. K.  
Report of work in Great Basin, Gilbert, G. K.
1881. Loess of the Western plains, Child.  
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Illustrations of the earth's surface glaciers, Shaler and Davis.  
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1882. Report on work in Great Basin, Gilbert, G. K.  
History of Lake Bonneville, Gilbert, G. K.  
Report of work in Eureka district, Hague, A.  
Volcanic drift of Challis, Idaho, Julien.  
Post-Glacial joints, Gilbert, G. K.  
Great deposit of mud and lava, Cope.  
Examination of upper Columbia River, Symons.  
Sulphur deposits in Utah and Nevada, Russell, I. C.

**Pleistocene—Continued.****ROCKY MOUNTAIN TO GREAT BASIN  
REGION—Continued.**

1882. *Geologisches und Montanistisches aus Utah*, Ochsenuis.  
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 Section in shafts near Leadville, Colo., Van Wagoner.
1883. Report on Wind River district, St. John.  
 Geology of Yellowstone Park, Holmes, W. H.  
 Mineral vein formation at Steamboat Springs, Le Conte.  
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 Faults and earthquakes in Great Basin, Gilbert, G. K.  
 Report on work on Quaternary geology, Chamberlin, T. C.  
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 Pre-Bonneville climate, Gilbert, G. K.  
 General statements, survey of Wyoming and Idaho, Hayden, F. V.  
 History of Lake Lahontan, Russell, I. C.  
 Playas and playa lakes, Russell, I. C.  
 San Juan region, Colorado, Comstock.
1884. Silver-lead deposits of Eureka, Nev., Curtis, J. S.  
 Climate changes of late geologic times, Whitney.  
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 Volcanic dust in Great Basin, Russell, I. C.  
 Lakes of Great Basin, Russell, I. C.  
 Garden City ichnolites, Blake, W. P.  
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 Gold sand from Idaho, Cross.  
*Geologisches aus Utah*, Roth.  
 Report from Carroll to the Yellowstone Park, Dana and Grinnell.

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REGION—Continued.**

1884. *Vertebrata of Tertiary of the West*, Cope.
1885. *Quaternary and Recent mollusca of the Great Basin*, Call.  
 Study of thimolite of Lake Lahontan, Dana, E. S.  
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 Volcanic dust deposits in the Great Basin, Russell, I. C.  
 Missouri Coteau and its moraines, Todd.  
 Map of the United States, McGee.  
 Existing glaciers of the United States, Russell, I. C.  
 Mining industries of Utah, Huntley.  
 Geologic sketch of Rocky Mountain division, Emmons, S. F.  
 Report of division of Great Basin, Gilbert, G. K.  
 Topographic features of lake shores, Gilbert, G. K.  
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Bull. 127—51

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Bull. 127—55

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 Helderberg of Cayuga County, N. Y., Williams, S. G.  
 Border of Trias in New Jersey and New York, Britton, N. L.  
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 Westward extension of Helderberg in New York, Williams, S. G.  
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 Materials of the Appalachians, Claypole.  
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 Fossils in Columbia County, Dwight, W. B.  
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Fossils in Dutchess County, N. Y., Dwight, W. B.  
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Silurian fossils in Columbia County, N. Y., Bishop.  
Macfarlane's Railway Guide, Campbell, Crosby, Dana, Darton, Dwight, Ford, Fontaine, Hitchcock, Hunt, T. S.; Lesley, Lindsley, McCutchen, Safford, Smock, Smith and Geesner, Williams, H. S.  
Fossils in Hillsdale, N. Y., Dana.  
Thickness of rocks in western central New York, Prosser, C. S.  
Analysis of dolomite from Westchester County, N. Y., Hillebrand.  
Locality numbers, Hall, J.  
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Casts of scolithus, Pennsylvania, Wanner.  
Iron ores, Hunt, T. S.  
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Dikes in Appalachian Virginia, Darton.  
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Oil field of Barren County, Ky., Fischer.  
Analyses of dolomite and clay, Morrisville, Ala., Hillebrand.  
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Genesis of iron ores, Kimball.  
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Keyes, Williams, G. H.  
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Physical geology of Tennessee,  
Hull.  
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region of Alabama, McCalley,  
Smith.  
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limestone of New Jersey,  
Nason.  
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to its structure, Perry.  
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Walcott.  
Overlap relation at base of  
Paleozoics, Walcott.  
Eastern equivalents of Minne-  
sota iron ores, Winchell, N. H.  
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Smith, E. A.  
Building stones of New York,  
Smock.  
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Foerste.  
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sylvania, Carter.  
Union, Snyder, Mifflin, and  
Juniata counties, Pa., d'Invil-  
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Structure of Blue Ridge in Vir-  
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Keith.

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Index to geology of the North-  
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Lee, C. A.  
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Taconic system of Emmons, Hunt, T. S.  
Structure of western Vermont, Rogers, W. B.  
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Note on Taconic system of Emmons, Hunt, T. S.  
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Bull. 127—56

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**Silurian—Continued.****WEST OF THE APPALACHIANS TO THE MISSISSIPPI RIVER, AND MINNESOTA—Continued.**

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**Silurian—Continued.****WEST OF THE APPALACHIANS TO THE MISSISSIPPI RIVER, AND MINNESOTA—Continued.**

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## Silurian—Continued.

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## Silurian—Continued.

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**Silurian—Continued.****WEST OF THE APPALACHIANS TO THE MISSISSIPPI RIVER, AND MINNESOTA—Continued.**

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**Silurian—Continued.****WEST OF THE APPALACHIANS TO THE MISSISSIPPI RIVER, AND MINNESOTA—Continued.**

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Bull. 127—57

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**GENERAL.**

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Bull. 127—59

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**ROCKY MOUNTAIN—GREAT BASIN REGION.**

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Bull. 127—60

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 Studies in Montana, Hayden.
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 Map of United States, Hitchcock, C. H.
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 Mountain upthrusts, White, C. A.  
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 Black Hills region, Carpenter, Crosby.  
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 Valley of Mexico, Chism.  
 Relations of Laramie, White, C. A.  
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**Tertiary—Continued.****ROCKY MOUNTAIN—GREAT BASIN REGION—Continued.**

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**Tertiary—Continued.****ROCKY MOUNTAIN—GREAT BASIN REGION—Continued.**

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**Tertiary—Continued.****ROCKY MOUNTAIN—GREAT BASIN REGION—Continued.**

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**Tertiary—Continued.****ROCKY MOUNTAIN—GREAT BASIN REGION—Continued.**

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## Tertiary—Continued.

## ROCKY MOUNTAIN—GREAT BASIN REGION—Continued.

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Bull. 127—60

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 Huerfano beds, Hills.  
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Continued.

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Continued.

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Continued.

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Continued.

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Continued.

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Continued.

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Continued.

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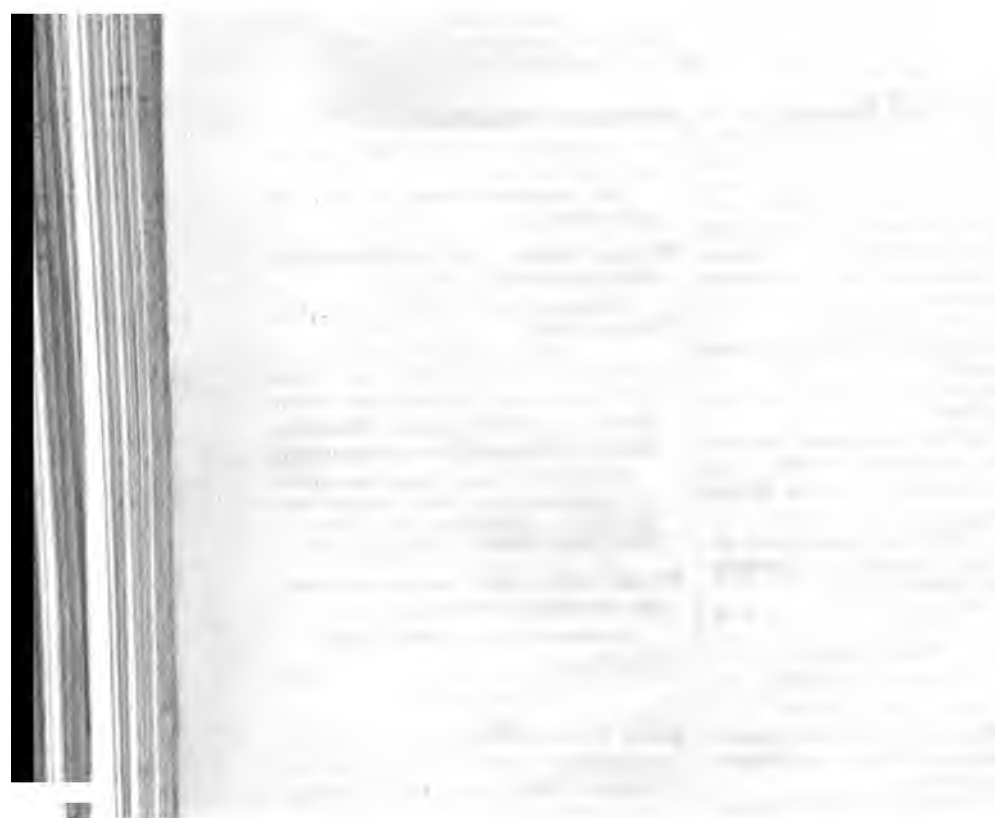
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1. The first part of the document is a list of names and addresses, followed by a list of names and addresses. The list of names and addresses is as follows:

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Frank Black	404 Spruce St.
Grace Lee	505 Willow St.
Henry King	606 Ash St.
Ivy Hill	707 Hickory St.
Jack Adams	808 Sycamore St.
Karen Baker	909 Magnolia St.
Liam Clark	1010 Dogwood St.
Mia Evans	1111 Redwood St.
Noah Foster	1212 Cypress St.
Olivia Garcia	1313 Juniper St.
Peter Hall	1414 Fir St.
Quinn Harris	1515 Palm St.
Rachel King	1616 Cedar St.
Samuel Lee	1717 Birch St.
Tina Miller	1818 Spruce St.
Uma White	1919 Willow St.
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